FY1996 / FY1997 BIENNIAL BUDGET ESTIMATES

AIR NATIONAL GUARD



19950216 023 FY 1996
MILITARY CONSTRUCTION
PROGRAM

Justification Data Submitted to Congress
February 1995

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1996

TABLE OF CONTENTS

SUMMARY PROJECT LIST	i - v
NEW MISSION vs CURRENT MISSION	I - III
SECTION I BUDGET APPENDIX EXTRACT	
Language Special Program Considerations Program and Financing Schedule Object Classification (in Thousands of dollars)	a-i a-ii - a-iii a-iv - av a-vi
SECTION II INSTALLATION AND PROJECT JUSTIFICATION DATA	
DD Form 1390s and 1391s	b-1 - b-183

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SUMMARY PROJECT LIST AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM -- FY 1996

STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT (000)	DD FORM 1391 PAGE NO.
Alabama	Birmingham Municipal Airport (ANG) Alter KC-135 Aircraft Shops	4,400	b - 3
	Dannelly Field (ANG) Fire Station	<u>1,445</u>	b - 8
	Sub-Total Alabama	5,845	
Arizona	Tucson International Airport Add to and Alter Aircraft Support Equipment Shop	<u>600</u>	b - 13
	Sub-Total Arizona	600	
California	Sepulveda Air National Guard Station Replace Underground Fuel Storage Tanks	320	b - 175
	Sub-Total California	320	· .
Colorado	Buckley Air National Guard Base Base Engineer Pavements and Grounds Facility Upgrade Heating Systems	450 950	b - 20 b - 22
	Sub-Total Colorado	1,400	
Georgia	Glynco Air National Guard Station Replace Underground Fuel Storage Tanks	320	b - 175
	Hunter ANG Station No. 2 Replace Underground Fuel Storage Tanks	400	b - 175
	Savannah International Airport Alter Aircraft Maintenance Shops	<u>1,300</u>	b - 31
	Sub-Total Georgia	2,020	
Idaho	Boise Air Terminal (Gowen Field) Remove Underground Fuel Storage Tanks	<u>320</u>	b - 175
	Sub-Total Idaho	320	

STATE/ COUNTRY		AUTH/APPROP AMOUNT (000)	DD FORM 1391 PAGE NO.
Illinois	Greater Peoria Airport (ANG)		
	Add to Aircraft Parking Apron	630	b - 38
	Aircraft Deicing Facility	400	b - 176
	Add to and Alter Squadron Operations Facil	ity 970	b - 40
	Alter Aerial Port Training Facility	710	b - 42
•	Alter Aircraft Maintenance Shops	1,450	b - 44
	Add to Aircraft Maintenance Hangar	<u>1,200</u>	b - 46
,	Sub-Total Illinois	5,360	,
Kansas	McConnell Air Force Base		
•	Alter B-1 Squadron Operations Facility	<u>800</u>	b - 50
	Sub-Total Kansas	800	•
Massachusetts	Barnes Municipal Airport (ANG)		
	Vehicle Maintenance Complex	2,000	b - 54
	Worcester ANG Station		
	Add to and Alter Vehicle Maintenance Facility	350	b - 176
	Sub-Total Massachusetts	2,350	
Michigan	Selfridge ANG Base		•
Michigan	Upgrade Heating Systems	2,900	b - 61
	Sub-Total Michigan	2,900	
Minnesota	Minneapolis St. Paul International Airport		
	Aircraft Deicing Facility	400	b - 176
	Upgrade Heating System	<u>780</u>	b - 66
	Sub-Total Minnesota	1,180	
New Jersey	Atlantic City Airport (ANG)		
	Upgrade Sanitary and Water Systems	650	b - 70
	McGuire Air Force Base	•	
	Fuel Cell and Corrosion Control Facility	5,700	b - 75
	Warren Grove Range	1.100	
•	Composite Range Operations Facility	1,100	b - 80
	Sub-Total New Jersey	7,450	

STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT (000)	DD FORM 1391 PAGE NO.
New Mexico	Kirtland Air Force Base		
	Alter Aircraft Maintenance Hangar	900	b - 85
	and Shops		b - 88
	Composite Engine and NDI Shop	2,700 1,800	b - 91
	Aircraft Corrosion Control Facility LANTIRN Maintenance Facility	620	b - 94
	Sub-Total New Mexico	6,020	
New York	Hancock Field (ANG)		1 00
	Composite Medical Training Facility	1,990	b - 98
·	Niagara Falls International Airport		
	Upgrade Runway Overrun	1,950	b - 103
	Upgrade Storm Water and		
	Sanitary Sewer System	<u>400</u>	b - 176
	Sub-Total New York	4,340	
Ohio	Blue Ash ANG Station		
J	Replace Underground Fuel Storage Tanks	380	b - 177
	a b was		
· · · · · · · · · · · · · · · · · · ·	Camp Perry ANG Station Replace Underground Fuel Storage Tanks	320	b - 177
	2.50		
	Rickenbacker Air National Guard Base		1 155
	Replace Underground Fuel Storage Tanks	<u>310</u>	b - 177
	Sub-Total Ohio	1,010	
Oklahoma	Tulsa International Airport		
Okianoma	Composite Communications Facility	1,900	b - 113
	Will Rogers World Airport		
	Petroleum Operations Facility	400 -	b - 177
	Aerial Port Training Facility	2,550	b - 118
	Composite Fire Station	1,950	b - 121
	Sub-Total Oklahoma	6,800	
Pennsylvania	Greater Pittsburg International Airport (AN Fuel Systems Maintenance Facility	G) <u>5,332</u>	b - 126
	Sub-Total Pennsylvania	5,332	
Caush Dalas (Los Forn Field (ANC)		
South Dakota	Joe Foss Field (ANG) Base Supply Complex	4,000	b - 131
	Sub-Total South Dakota	4,000	

STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT (000)	DD FORM 1391 PAGE NO.
Tennessee	McGhee Tyson Airport PMEC School Training Quarters	4,400	b - 136
	Memphis International Airport Add to and Alter Base Engineer Maintenance Complex	990	b - 141
	Add to and Alter Security Police Operations Facility	<u>1,100</u>	b - 144
·	Sub-Total Tennessee	6,490	
Texas	Kelly Air Force Base Upgrade Heating and Cooling Systems	1,400	b - 149
	Sub-Total Texas	1,400	
Virginia	Camp Pendleton Military Reservation Vehicle Maintenance Complex	2,000	b - 153
	Richmond International Airport (Byrd Field) Add to and Alter F-16 Aircraft Maintenance Complex	2,700	b - 158
	Sub-Total Virginia	4,700	
Wisconsin	Truax Field Alter Munitions Facilities	<u>670</u>	b - 163
	Sub-Total Wisconsin	670	
	SUB-TOTAL INSIDE THE UNITED STATE	ES 71,307	
	OUTSIDE THE UNITED STA	ATES	
Puerto Rico	Puerto Rico IAP Munitions Maintenance and		
	Storage Complex Add to and alter Composite	3,800	b - 167
	Support Facility	510	b - 170
	Upgrade Security System	1,350	b - 173
	Sub-Total Puerto Rico	5,660	* :
	SUB-TOTAL OUTSIDE THE UNITED STATE	ES 5,660	

		,		
	STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT (000)	DD FORM 1391 PAGE NO.
		SUB-TOTAL - ALL BASES	76,967	
		PLANNING AND DESIGN	4,580	b - 178
·¥	•	UNSPECIFIED MINOR CONSTRUCTION	4,100	b - 181
×		SUB-TOTAL - SUPPORT COSTS	8,680	·
	•	GRAND TOTAL	85,647	Ē

SUMMARY PROJECT LIST AIR NATIONAL GUARD NEW MISSION VERSUS CURRENT MISSION -- FY 1996

LOCATION	PROJECT	COST (000)	NEW OR CURRENT
Birmingham MAP AL	Alter KC-135 Aircraft Shops	4,400	N
Dannelly Field AL	Fire Station	1,445	С
Tuscon IAP AZ	Add to and Alter Aircraft Support Equipment Shop	600	С
Sepulveda ANGS CA	Replace Underground Fuel Storage Tanks	320	С
Buckley ANGB CO	Base Engineer Pavements and Grounds Facility Upgrade Heating Systems	450 950	. C
Glynco ANGS GA	Replace Underground Fuel Storage Tanks	320	Ç
Hunter ANGS No. 2 GA	Replace Underground Fuel Storage Tanks	400	С
Savannah IAP GA	Alter Aircraft Maintenance Shops	1,300	Ċ.
Boise Air Terminal (Gowen Field) ID	Remove Underground Fuel Storage Tanks	320	C
Greater Peoria AP IL	Add to Aircraft Parking Apron Aircraft Deicing Facility Add to and Alter Squadron	630 400	N N
	Operations Facility	970	N
	Alter Aerial Port Training Facility	. 710	. N
	Alter Aircraft Maintenance Shops	1,450	N
	Add to Aircraft Maintenance Hangar	1,200	N
McConnell AFB KS	Alter B-1 Squadron Operations Facility	800	N
Barnes MAP MA	Vehicle Maintenance Complex	2,000	С
Worcester ANG Station MA	Add to and Alter Vehicle Maintenance Facility	350	С
Selfridge ANG Base MI	Upgrade Heating Systems	2,900	С
Minneapolis St. Paul IAP MN	Aircraft Deicing Facility	400	С
	Upgrade Heating System	780	C
Atlantic City Airport NJ	Upgrade Sanitary Water Systems	650	C

LOCATION	PROJECT	COST (000)	NEW OR CURRENT
McGuire AFB NJ	Fuel Cell and Corrosion Control Facility	5,700	N
Warren Grove Range NJ	Composite Range Operations Facility	1,100	C
Kirtland AFB NM	Alter Aircraft Maintenance Hangar		
	and Shops	900	N
	Composite Engine and NDI Shop	2,700	N
	Aircraft Corrosion Control Facility	1,800	C
	· LANTIRN Maintenance Facility	620	N
Hancock Field NY	Composite Medical Training Facility	1,990	С
Niagara Falls IAP NY	Upgrade Runway Overrun	1,950	N
	Upgrade Storm and Sanitary Sewer System	400	C
Blue Ash ANG Station OH	Replace Underground Fuel Storage Tanks	380	C
Camp Perry ANG Station OH	Replace Underground Fuel Storage Tanks	320	С
Rickenbacker ANGB OH	Replace Underground Fuel Storage Tanks	310	C
Tulsa International Airport OK	Composite Communications Facility	1,900	С
Will Rogers World Airport OK	Petroleum Operations Facility	400	C
with the second	Aerial Port Training Facility	2,550	.C
	Composite Fire Station	1,950	C
Greater Pittsburg IAP PA	Fuel Systems Maintenance Facility	5,332	Ņ
Joe Foss Field (ANG) SD	Base Supply Complex	4,000	С
McGhee Tyson Airport TN	PMEC School Training Quarters	4,400	. C
Memphis IAP TN	Add to and Alter Base Engineer Maintenance Complex	990	С
	Add to and Alter Security Police Operations Facility	1,100	С
Kelly Air Force Base TX	Upgrade Heating and Cooling Systems	1,400	С
Camp Pendleton MR VA	Vehicle Maintenance Complex	2,000	С
Richmond IAP VA	Add to and Alter F-16 Aircraft		
(Byrd Field)	Maintenance Complex	2,700	N
Truax Field WI	Alter Munitions Facilities	670	С

LOCATION	PROJECT	COST (000)	NEW OR CURRENT
Puerto Rico IAP PR		2.800	N
	Storage Complex Add to and Alter Composite	3,800	N
	Support Facility	510	С
	Upgrade Security System	1,350	N
	PLANNING AND DESIGN	4,580	•
	UNSPECIFIED MINOR CONSTRUCTION	4,100	
	TOTAL NEW MISSION	35,612	
	TOTAL CURRENT MISSION	41,355	
	GRAND TOTAL - FY 1996 REQUEST	85,647	

DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1996

APPROPRIATION

MILITARY CONSTRUCTION, AIR NATIONAL GUARD

SECTION 1

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contribution there for, as authorized by Chapter 133 of Title 10, United States Code, and military construction authorization Acts, \$85,647,000 (\$249,056,000) to remain available until September 30, 2000 (September 30, 1999)

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military constructions projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings versus investment cost. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wet Land Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proposed management of flood plains and the protection of wet lands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wet lands. Project planning is in accordance with the requirements of Executive Order Numbers. 11988 and 11900.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-400, provisions for physically handicapped personnel will be provide for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

Environmental Protection

In accordance with Section 102(2) (c) of the Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Actual economic analysis have been or will be prepared for all projects over \$2,000,000.

SPECIAL PROGRAM CONSIDERATIONS

(continued)

Reserve Manpower Potential

The reserve manpower potential to meet and maintain authorized strengths of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services have reserve flying/non-flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

Potential Use of Vacant Schools and Other State and Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Construction Criteria Manual

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Mil. Con., Air National Guard

# 	Program and Financing (in inousables	Budget Pla CONSTRUCTI	n (amounts ON actions	for MILITARY programed)	1 1 1 1 1 1 1
Identifi	Identification code 57-3830-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
00.0101 00.0201 00.0301	Program by activities: Direct program: Major construction Minor construction Planning	 226,436 4,000 10,868	229,768 4,000 14,823	76,967 4,100 4,580	76,546 4,100 4,725
00.9101	Total direct program	241,304	248,591		90
10.0001	Total	 241,304	248,591	85,647	85,371
21.4002 21.4009	unobligated balance available, For completion of prior year Reprograming from/to prior ye Unobligated balance available,	-1,023			
24.4002 25.0001	For completion of prior year budget Unobligated balance expiring	1,023		! ! ! ! ! !	
39.0001	Budget authority	241,304	248,591	85,647	85,371
40.0001	Budget authority: Appropriation Reduction pursuant to P.L. 103-307 (-)	241,304	249,056 -465	85,647	85,371
43.0001	Appropriation (adjusted)	241,304	248,591	1	1
71.0001 72.4001 74.4001 77.0001	Relation of obligations to outlays: Obligations incurred Obligated balance, start of year Obligated balance, end of year Adjustments in expired accounts (net)				
90.0001	Outlays (net)		: 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Mil. Con., Air National Guard Program and Financing (in Thousands of dollars) SUMMARY

				Obligations		
Identifi	Identification code 57-3830-0-1-051		1994 actual	1995 est.	1996 est.	1997 est.
00.0101 00.0201 00.0301	Program by activities: Direct program: Major construction Minor construction		253,413 4,372 14,586	215,934 4,538 15,781	133,987 4,555 10,926	117,006 4,101 6,655
1016.00	Total direct program	ď	272,371	236,253	149,468	127,762
10.0001	Total		272,371	236,253	149,468	127,762
21.4002	Financing: Unobligated balance available, start of year: For completion of prior year budget plans Reprograming from/to prior year budget plans		-269,723	-237,634	-249,972	-186,151
24.4002	ה ה		237,634	249,972	186,151	143,760
39.0001			241,304	248,591		85,371
40.0001	Budget authority: Appropriation Reduction pursuant to P.L. 103-307 (-)		241,304	249,056	85,647	85,371
43.0001	Appropriation (adjusted)		241,304	248,591	85,647	85,371
71.0001 72.4001 74.4001	Relation of obligations to outlays: Obligations incurred Obligated balance, start of year Obligated balance, end of year Adjustments in expired accounts (net)		272,371 186,657 -228,299	236,253 228,299 -192,699	149,468 192,699 -82,612	127,762 82,612 -54,427
90.0001	Outlays (net)		230,805		259,555	155,947

Mil. Con., Air National Guard Object Classification (in Thousands of dollars) SUMMARY

Identification code 57-3830-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
Direct obligations: Other services with the private sector Contracts with the private sector 32.001 Land and structures	14,422	31,660	24,320	15,775
	258,054	225,718	139,379	117,572
Allocation Accounts Other services with the private sector 325,203 Contracts with the private sector 332,001 Land and structures	164	675	644	9,538
399.001 Total Allocation Accounts	14,317	10,535	10,089	10,190
999.901 Total obligations	272,371	236,253	149,468	127,762
Obligations are distributed as follows: Defense-Military:Army Defense-Military:Navy Defense-Military:Air Force	1,135	290 10,250 225,713	329 8,260 140,879	300 9,890 117,572
Total Obligations	272,371	236,253	149,468	127,762

1. COMPON	ENT	FY 1996 GUARD A				2. DATE	
ANG		MILITARY CONS	TRUCTION				201127
		AND LOCATION CIPAL AIRPORT (ANG), A	LABAMA				CONST.
5. FREOUE	NCY ANI	TYPE OF UTILIZATION					
		assemblies per year, 1	5 davs annua	al fi	eld trai	ning per	:
		by technician/AGR for				J 1	
6. OTHER	ACTIVE	GUARD/RESERVE INSTALL Guard Armories, 3 Arm	ATIONS WITH	IN 15	MILE RA	DIUS Naval Re	serve
Center	ictonar	Guard Armorres, 5 Arm	y Reserve,		Inc una		
Center							
7. PROJEC	CTS REQU	JESTED IN THIS PROGRAM	: FY 1996				
CATEGORY					COST	DESIGN	STATUS
CODE		PROJECT TITLE	SCOPE		(\$000)	START	CMPL
217-712	ALTER I	KC-135 AIRCRAFT SHOPS	68,10) SF	4,400	DEC 91	MAY 9
						-	
						,	
S STATE	DESERVI	FORCES FACILITIES BO	ARD RECOMME	VDATI	ON		• . ·
		FORCES FACILITIES BO		NDAT I	on .	21 JUI	. 94
		E FORCES FACILITIES BO L Construction Approve		NDATI	on .	21 JUI	
Uni	ilatera	l Construction Approve		NDATI	on .		
Uni	ilatera		đ	NDAT I			:e)
Uni	ilatera:	l Construction Approve	None	NDATI		(Dat	:e)
Uni	ilatera:	l Construction Approve	None	NDATI		(Dat	:e)
Uni 9. LAND A	ilatera:	l Construction Approve	None	NDAT1	<u>(N</u>	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE	ilatera	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE	None RS SCOPE	•	COST (\$000)	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE	ACQUISITECTS PLA	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING	None	•	COST (\$000)	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED PLANT IN TACIL	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG)	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG)	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)
9. LAND A 10. PROJE CATEGORY CODE 171-450	ACQUISITED TO THE PLANT OF THE	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE MEDICAL TRAINING ITY (ANG/ARNG) NGINEER AND DISASTER	None RS SCOPE 22,50) SF	COST (\$000) 2,200	(Dat	:e)

	•	
1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	
3. INSTALLATI	ON AND LOCATION	
BIRMINGHAM MU	NICIPAL AIRPORT (ANG), ALABAMA	

11. PERSONNEL STRENGTH AS OF 21 JUL 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	316	6	46	264	975	120	855
ACTUAL	287	7	42	238	1,085	146	939

12. RESERVE UNIT DATA

MII DAI	••		STRENGTH		
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL	
106	REF SQ		69	112	
117	REF WG		55	50	
117	MSS SQ		34	32	
117	MNT SQ		236	316	
117	TAC HP		50	46	
117	LOG SQ		107	99	
117	CE SQ		129	123	
117	SP SQ		75	58	
117	COMMFL		41	46	
117	OPS GP	,	6	4	
117	INT SQ		82	78	
117	SER FT	:	30	. 32	
.117	STU FT		0 ' .	39	
117	TAC OL	•	- 6	6	
117	LOG GP		12	17	
117	OPS FT		38	22	
117	SPT GP		5	5	
		TOTALS	975	1,085	

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
KC-135R Aircraft	9	9
Support Equipment	103	55
Vehicle Equivalents	330	300

1. COMPONENT								2.	DAI	Έ	
•	F	1996 MILITARY	CONSTRUC	TION	PRO	DJECT DATA	A				l
ANG		(computer generated)									
3. INSTALLATI	ON ANI	LOCATION		4.	PRO	JECT TITLI	E				
BIRMINGHAM IN	TERNA	CIONAL AIRPORT A	LABAMA	ALI	rer i	KC-135 AII	RCRAFT	SH	OPS		
5. PROGRAM EI	LEMENT	6. CATEGORY COL	E 7. PRO	JEC1	נטא ז	MBER 8. 1	PROJEC	T C	OSI	(\$00	0)
											- 1
51411F		217-712	BRK	R919	9594			\$	4,4	00	
		9. CC	ST ESTIM	ATES	3						
	-					•	UNIT		C	OST	
		ITEM			U/M	QUANTITY	COST		(\$	1000)	
ALTER AIRCRA	T SHOI	PS			SF	68,100				3,42	9
GENERAL PURPOSE MAINTENANCE SHOP					SF	21,600		50	(1,08	0)
AVIONICS AND SURVIVAL EQUIPMENT SHOP					SF	10,700		60	(64	2)
ORGANIZATIONAL MAINTENANCE SHOP					SF	8,000		45	(36	0)
WEAPON SYST	CEMS MA	AINTENANCE MANAC	EMENT		SF	7,400		45	(33	3)
SECURITY PO	DLICE A	AND PHYSICAL FIT	NESS .		SF	6,800		50	(34	0)

SF

SF

LS

6,500

7,100

10. Description of Proposed Construction: Convert hangar bays into shop areas. Rearrange and construct interior walls. Relocate, upgrade and extend utility systems. Provide fire protection and other exterior support.

Air Conditioning: 200 Tons.

ENGINE AND NDI SHOPS

SUPPORTING FACILITIES

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUBTOTAL

CCTV, GRAPHICS, A/V, AND OPS AND TRNG

PRE-WIRED WORK STATIONS AND UTILITIES

SUPERVISION, INSPECTION AND OVERHEAD (5%)

11. REQUIREMENT: 68,100 SF ADEQUATE: 0 SUBSTANDARD: 64,450 SF PROJECT: Alter KC-135 Aircraft Shops (New Mission).

REQUIREMENT: The base requires adequately sized and properly configured aircraft shops and related administrative areas to support the conversion from RF-4C's to KC-135 aircraft.

CURRENT SITUATION: The base has grossly insufficient hangars and shops to support the KC-135 operations and training requirements. Hangars and aircraft shops are configured to support RF-4C aircraft operations. The RF-4C is a much smaller jet with significantly different facility requirements and shop configurations. To support the conversion to KC-135 aircraft, Hangar 140 was demolished to make way for a new aircraft maintenance hangar and a fuel cell/corrosion control dock. The shops in Hangar 140 were also demolished. The bays in Hangars 141, 142, and 30 are too small to support KC-135 aircraft. The hangars are structurally sound and vacant. The most cost effective solution to satisfy the requirement for aircraft shops is to convert the undersized bays in these hangars into shop space. Temporary workarounds are being used. These include: shipping parts to other locations; the use of leased commercial space on the opposite side of the runway; doing the work on the ramp, weather permitting.

IMPACT IF NOT PROVIDED: Unable to properly maintain the aircraft.

Adverse impact on the unit's training and its ability to maintain mission

390)

284)

560

560)

199

209

3,989

4,188

4,397

4,400

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJ	ECT DATA
ANG	(computer generated)	
	N AND LOCATION ERNATIONAL AIRPORT ALABAMA	
4. PROJECT TIT	L,E	5. PROJECT NUMBER
ALTER KC-135 A	IRCRAFT SHOPS	BRKR919594

readiness. Unable to reach full operational capability.

ADDITIONAL: A life cycle economic analysis has been performed comparing all reasonable options for accomplishing this project. The analysis indicates that alteration is the most economical alternative.

. COMPO	NENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. D	MIE
NG		(computer generated)		
. INSTA	LLATI	ON AND LOCATION		
		TERNATIONAL AIRPORT ALABAMA	222	
. PROJE	CT TI	TLE 5.	PROJECT	NUMBER
LTER KO	-135	AIRCRAFT SHOPS	BRKR919	594
.2. SUE	PLEME	NTAL DATA:		
a. Es	stimat	ed Design Data:		
(1	.) St	atus:	•	
, -	•	Date Design Started	91	DEC 18
		Percent Complete as of Jan 95		70%
		Date 35% Designed		AUG 18
	(d)	Date Design Complete	95	MAY 15
(2) Ba			
		Standard or Definitive Design -		0
	(0)	Where Design Was Most Recently Used -	N	/A
(3		otal Cost (c) = (a) + (b) or (d) + (e):		(\$000
		Production of Plans and Specifications		200
		All Other Design Costs		115
		Total		315 315
		Contract In-house		313
(4	l) Co	onstruction Start		96 MAR
·				
. Equi	pment	associated with this project will be provided	from	•
ther ap	propr	riations: N/A		

L. COMPON				2. DATE	1
	MILITARY CONSTR	UCTION		4. AREA	CONCT
	FIELD AIR NATIONAL GUARD, ALAB	AKA			INDEX
/ TUIN	Timb had introduce donter, many	nan		1	74
. FREQUE	NCY AND TYPE OF UTILIZATION				
	nthly assemblies per year, 15 ly use by technician/AGR force	_		ning per	
l Active	ACTIVE/GUARD/RESERVE INSTALLAT AFB, 1 Marine Reserve, 1 Naval Guard Units and 2 Air National	Reserve, 3 Ar			rmy
7. PROJEC	TS REQUESTED IN THIS PROGRAM:	FY 1996			
CATEGORY			COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
730-142	FIRE STATION	10,600 SF	1,445	DEC 92	FEB 9
	RESERVE FORCES FACILITIES BOAR lateral Construction Approved	RD RECOMMENDATI	ON	21 JUL	
011.	racerar construction Approved			21 30L	
9. LAND A	ACQUISITION REQUIRED	None			
			(N	Number of	Acres
	ECTS PLANNED IN NEXT FOUR YEARS	;			
			COST		
CODE	PROJECT TITLE	SCOPE	COST (\$000)		
CODE			(\$000)		
CODE 171-445	PROJECT TITLE OPERATIONS AND TRAINING	<u>SCOPE</u> 20,000 SF	3,900		
171-445 171-450	PROJECT TITLE OPERATIONS AND TRAINING FACILITY MEDICAL TRAINING AND SECURITY	20,000 SF 24,800 SF	3,900		
CODE 171-445 171-450 216-642	PROJECT TITLE OPERATIONS AND TRAINING FACILITY MEDICAL TRAINING AND SECURITY POLICE FACILITY MUNITIONS COMPLEX AND AIRCRAFT	20,000 SF 24,800 SF	3,900 2,000 4,500		
CODE 171-445 171-450 216-642	PROJECT TITLE OPERATIONS AND TRAINING FACILITY MEDICAL TRAINING AND SECURITY POLICE FACILITY MUNITIONS COMPLEX AND AIRCRAFT SUPPORT EQUIPMENT SHOP UPGRADE SUPPLY AND CIVIL	20,000 SF 24,800 SF 25,200 SF	3,900 2,000 4,500		
CODE 171-445 171-450 216-642	PROJECT TITLE OPERATIONS AND TRAINING FACILITY MEDICAL TRAINING AND SECURITY POLICE FACILITY MUNITIONS COMPLEX AND AIRCRAFT SUPPORT EQUIPMENT SHOP UPGRADE SUPPLY AND CIVIL	20,000 SF 24,800 SF 25,200 SF	3,900 2,000 4,500		
CODE 171-445 171-450 216-642	PROJECT TITLE OPERATIONS AND TRAINING FACILITY MEDICAL TRAINING AND SECURITY POLICE FACILITY MUNITIONS COMPLEX AND AIRCRAFT SUPPORT EQUIPMENT SHOP UPGRADE SUPPLY AND CIVIL	20,000 SF 24,800 SF 25,200 SF	3,900 2,000 4,500		

1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	
3. INSTALLATIO	ON AND LOCATION	
DANNELLY FIELD	AIR NATIONAL GUARD, ALABAMA	

11. PERSONNEL STRENGTH AS OF 20 JUN 94

	PERMANENT					GUARD/RES	ERVE
•	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	282	8	43	231	1,041	106	935
ACTUAL	272	7	42	223	1,009	. 97	912

12. RESERVE UNIT DATA

MII DAI		,	STRENGTH		
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL	
160	FS SQ		50	53	
187	MSS SQ		80	71	
187	CLINIC		31	32	
187	GP HQ		57	58	
187	CAM		461	397	
187	CE SQ		127	114	
187	WSSF		57	58	
187	RMS		121	113	
187	COM FT	*	20	20	
187	MSS	•	37	36	
187	STU FT		0	57	
	٠,	TOTALS	1,041	1,009	
187	MSS	TOTALS	37 0		

13. MAJOR EQUIPMENT AND AIRCRAFT

TYPE	AUTHORIZED	ASSIGNED
F-16 Aircraft	15	25
Support Equipment	194	225
Vehicle Equivalents	120	120

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) ANG 3. INSTALLATION AND LOCATION 4. PROJECT TITLE DANNELLY FIELD AIR NATIONAL GUARD FIRE STATION ALABAMA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 1,445 FAKZ000419 730-142 55296F 9. COST ESTIMATES COST UNIT U/H QUANTITY COST (\$000) ITEM 1,166 10,600 FIRE STATION 144 SUPPORTING FACILITIES 55) UTILITIES LS LS 85) PAVEMENTS LS 4) SITE IMPROVEMENTS 1,310 SUBTOTAL 66 CONTINGENCY (5%) 1,376 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5%) 69 1.445 TOTAL REQUEST 1,445 TOTAL REQUEST (ROUNDED) Description of Proposed Construction: Concrete foundation and floor slab, steel framed masonry walls and built-up roof. All necessary utilities, access pavements, site improvements and support. Air Conditioning: 10 Tons. 11. REQUIREMENT: 10,600 SF ADEQUATE: 0 SUBSTANDARD: 2,500 SF PROJECT: Fire Station (Current Mission). REQUIREMENT: The base requires an adequately sized and properly configured facility to support fire and crash/rescue operations. This includes apparatus bays, storage space, extinguisher maintenance shop, kitchen and dining area, control room, classroom and administrative areas, and bunkrooms for 24 hour operations. CURRENT SITUATION: The 1953 vintage fire station is deteriorated beyond economic repair and is much too small to properly accommodate the fire protection vehicles which cannot fit into the undersized apparatus bays. The facility is less than one-fourth of the mimimum required space. The administrative areas are located in another building. The control room cannot be manned 24 hours per day. There are no areas for bedding or

adequate personnel accommodations. The roof leaks. The air-conditioning is old and not working properly. The interior and exterior electrical wiring has insufficient capacity. The mechanical systems are antiquated and do not function properly. There are numerous health and safety hazards in the building. A facility expansion is not possible since the building is poorly located. There are insufficient apparatus bays so trucks are parked on the pavement outside of the building exposed to the elements. There have been numerous complaints from the fire crews on the bunk room accommodations. They are grossly inadequate and do not meet minimum health standards for the separations between bunk beds. The

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DAT	PA.	2. DATE
ANG (computer generated)		
3. INSTALLATION AND LOCATION DANNELLY FIELD AIR NATIONAL GUARD ALABAMA		
4. PROJECT TITLE	5.	PROJECT NUMBER
FIRE STATION		FAKZ000419

facility does not represent a quality living, work or training space. Upon completion of this project, Building 1205 at 2,500 SF will be demolished.

IMPACT IF NOT PROVIDED: Fire fighting apparatus remains exposed to the weather and accelerates deterioration. Health and safety hazards continue. Hardship on the overall fire protection operations which jeopardizes crash/rescue and fire fighting capabilities.

NG	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
. INSTAL	LATION AND LOCATION	
ANNELLY	FIELD AIR NATIONAL GUARD ALABAMA	
. PROJEC		5. PROJECT NUMBER
		FAKZ000419
IRE STAT	LON	FAR2000419
2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
, .	(a) Date Design Started	92 DEC 01
	(b) Percent Complete as of Jan 95	95%
	(c) Date 35% Designed	93 JUL 26 95 FEB 15
	(d) Date Design Complete	20 LED TO
. (2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
63)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(-,	(a) Production of Plans and Specifications	64
	(b) All Other Design Costs	43
	(c) Total	107
	(d) Contract	107
•	(e) In-house	
(4)	Construction Start	₫ 96 MAR
, ,		
	,	
. Equip	ment associated with this project will be provide	d from
ther app	ropriations: N/A	
	•	

1. COMPONENT	FY 1996 GUARD ANI	RESERVE		2. DATE	3
ANG	MILITARY CONSTI	RUCTION			
3. INSTALLATION	AND LOCATION			4. AREA	CONST
TUCSON INTERNAT	IONAL AIRPORT, ARIZONA	•		COST	INDEX
	·			0.	96
5. FREQUENCY AN	D TYPE OF UTILIZATION				
	ing Assemblies per month by technician/AGR force				g per
1 Air Force Bas	/GUARD/RESERVE INSTALLAT e, 1 Naval Reserve Unit, Unit, 1 Air Force Reserv	, 1 Army Reserv			
7. PROJECTS REO	UESTED IN THIS PROGRAM:	FY 1996			
CATEGORY			COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
			10007		
218-712 ADD TO	AND ALTER AIRCRAFT	10,000 SF	600	NOV 91	FEB 94
SUPPO	RT EQUIPMENT SHOP				
8. STATE RESERV	E FORCES FACILITIES BOAF		ON	12 22	
8. STATE RESERV			ON	13 MAY (Dat	
8. STATE RESERV	E FORCES FACILITIES BOAF l Construction Approved		ON		
8. STATE RESERV Unilatera	E FORCES FACILITIES BOAF l Construction Approved	RD RECOMMENDATI			e)
8. STATE RESERV Unilatera 9. LAND ACQUISI	E FORCES FACILITIES BOAF l Construction Approved	RD RECOMMENDATI		(Dat	e)
8. STATE RESERV Unilatera 9. LAND ACQUISI	E FORCES FACILITIES BOAF l Construction Approved	RD RECOMMENDATI		(Dat	e)
8. STATE RESERV Unilatera 9. LAND ACQUISI 10. PROJECTS PL	E FORCES FACILITIES BOAF l Construction Approved	RD RECOMMENDATI	(N	(Dat	e)
8. STATE RESERV Unilatera 9. LAND ACQUIST 10. PROJECTS PLA CATEGORY CODE 442-758 UPGRAD	E FORCES FACILITIES BOAF 1 Construction Approved TION REQUIRED ANNED IN NEXT FOUR YEARS PROJECT TITLE E SUPPLY AND VEHICLE	RD RECOMMENDATI	COST	(Dat	e)
8. STATE RESERV Unilatera 9. LAND ACQUIST 10. PROJECTS PLACE CATEGORY CODE 442-758 UPGRADE MAINT	E FORCES FACILITIES BOAF 1 Construction Approved FION REQUIRED ANNED IN NEXT FOUR YEARS PROJECT TITLE E SUPPLY AND VEHICLE ENANCE COMPLEX	None SCOPE 83,300 SF	COST (\$000)	(Dat	e)
8. STATE RESERV Unilatera 9. LAND ACQUIST 10. PROJECTS PLACE CATEGORY CODE 442-758 UPGRADE MAINT	E FORCES FACILITIES BOAF 1 Construction Approved TION REQUIRED ANNED IN NEXT FOUR YEARS PROJECT TITLE E SUPPLY AND VEHICLE	None SCOPE	COST (\$000)	(Dat	e)

1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	
	The same same same same same same same sam	

3. INSTALLATION AND LOCATION TUCSON INTERNATIONAL AIRPORT, ARIZONA

11. PERSONNEL STRENGTH AS OF 10 AUG 94

	PERMANENT				GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1,017	89	915	13	1,664	175	1,489
ACTUAL	814	82	719	13	1,483	145	1,338

	•				
•	12. RESERVE UNIT DA	TA			
	•			STREN	GTH
	· UNIT D	ESIGNATION		AUTHORIZED	ACTUAL
	1				
	162	HQTRS		66	58
	162	OPS GP		19	19
	195	OPS SQ		33	28
	152	OPS SQ		24	20
	148	OPS FT		51	41
	162	OSS		35	28
	162	LOG GP		35	32
	162	MNT SQ		832	732
	162	LOG SQ		150	133
	162	SPT GP		. 7	. 7
	162	SVS FT		39	38
	. 162	CES		158	149
	162	MSSQ		84	85
	162			58 -	48
	162	MED SQ		73	65.
		_	TOTALS	1,664	1,483

13. MAJOR EQUIPMENT AND AIRCRAFT		•
TYPE	AUTHORIZED	ASSIGNED
A-16 A/B Aircraft	71	71
C-26 Aircraft	1	. 1
Support Equipment	· 198	206
Vehicle Equivalents	475	475

1. COMPONENT	-		2. DATE
	FY 1996 MILITARY	CONSTRUCTION PROJECT	DATA
ANG .	(comput	ter generated)	
3. INSTALLATIO	N AND LOCATION TIONAL AIRPORT ARIZO		ALTER AIRCRAFT
			8. PROJECT COST(\$000)
55296F	218-712	XHEA001432	\$600

9. COST ESTIMAT			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ADD TO AND ALTER AIRCRAFT SUPPORT				
EQUIPMENT SHOP	SF	10,000		500
ADDITION TO AGE SHOP	SF	5,000	70	(350
ALTER AGE SHOP	SF	5,000	30	(150
SUPPORTING FACILITIES				40
PAVEMENTS	LS			(25
UTILITIES	LS			(10
SITEWORK	LS			(5
SUBTOTAL	/			540
CONTINGENCY (5%)				27
TOTAL CONTRACT COST				567
SUPERVISION, INSPECTION AND OVERHEAD (5%)				28
TOTAL REQUEST				595
TOTAL REQUEST (ROUNDED)	.			600
		7 1 1		
	.	1		
	1 '			

10. Description of Proposed Construction: Addition: concrete foundation and floor slab, concrete block walls and roof structure. Exterior to match existing. Alteration: interior rearranging of the walls and utility systems.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 10,000 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Add to and Alter Aircraft Support Equipment Shop (Current Mission).

REQUIREMENT: The base requires a properly sized and configured facility to support inspection, maintenance, repair, and servicing of powered ground support equipment in support of the F-16 aircraft. Functional areas include: maintenance bays, tool crib, storage, battery shop, administrative area, paved equipment parking, wash, and paint areas. CURRENT SITUATION: The shop is not a quality work place. It is grossly undersized, poorly configured and not properly sited. The building is less then 50% of the required size. There is insufficient space for the maintenance and storage of the equipment. There is inadequate space for office and tool storage. The facility is located away from the aircraft parking ramp area in a remote part of the base. The equipment must be transported constantly across the base from the ramp to the AGE maintenance facility on a narrow and congested road. Training opportunities and excessive time are lost in the transportation mode. It does not make operational sense to upgrade the existing shop when space is partially available in Building 32, a vacant general purpose shop. The facility requires some upgrade to make it useable and is properly sited. This will allow the shop to be demolished and the site cleared. The demolition of this facility is important as the site is master planned for

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJEC (computer generated)	T DATA	2. DATE
3. INSTALLATI	ON AND LOCATION ATIONAL AIRPORT ARIZONA		
4. PROJECT TI		5. P	ROJECT NUMBER
ADD TO AND AL	TER AIRCRAFT SUPPORT EQUIPMENT SHOP	XI	HEA001432

future construction of munitions maintenance and weapons release facilities in accordance with the approved master development plan. Upon completion of this project, Building 48 at 3,420 SF will be demolished.

IMPACT IF NOT PROVIDED: Facility cannot meet the needs of proper maintenance of support equipment for mission accomplishment. Work arounds continue to be utilized, seriously degrading the effectiveness of maintenance and training. Construction of a new munitions storage complex and a weapons release facility is delayed until the function can be permanently relocated. Lost training opportunities.

UCSON	INT	ERNA	TIONAL AIRPORT ARIZONA		
. PRO)JEC	TIT	LE	5. PI	ROJECT NUMBER
DD TO) ANI) ALT	ER AIRCRAFT SUPPORT EQUIPMENT SHOP	XI	HEA001432
2. 8	SUPPI	LEMEN	TAL DATA:		
a.	Est:	imate	d Design Data:		
	(1)	Sta	tus:		
			Date Design Started		91 NOV 26
			Percent Complete as of Jan 95		1009 93 APR 15
			Date 35% Designed		93 APR 1:
		(a)	Date Design Complete		94 LED 1:
	(2)	Bas			
			Standard or Definitive Design -	•	NO
		(b)	Where Design Was Most Recently Used -		N/A
	(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	•	(\$000
	• •		Production of Plans and Specifications		30
			All Other Design Costs		22
			Total		. 52
			Contract		52
		(e)	In-house	•	
	(4)	Con	struction Start		96 MAI
	ירו ויוד		associated with this project will be provi	ded fro	om
		copri	ations: N/A		
					·
					·
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					•
					·

1. COMPONE	ENT	FY 19	96 GUARD A	ND RESERVE			2. DA	TE	
ANG		MII	LITARY CONS	TRUCTION					
3. INSTALI	LATION	AND LOCATIO	ON					EA CON	
SEPULVEDA	AIR NA	T'L GUARD S	STATION CAL	IFORNIA				ST IND	EΧ
		TYPE OF UT						1.24	
Four unit	traini	ng assembli hnician for	ies per mon	th, 15 days	s annu	ıal train	ing pe	r year	,
Los Angele	es AF S	tation; Arm	ny National	ATIONS WITH	units	Army Re	eserve,	2	
units; Nav 1 unit.	vy Rese	rve, 1 unit	t, Marine R	teserve, 1	unit;	Coast Gu	ard Re	serve,	
	rs REQU	ESTED IN TH	HIS PROGRAM	: FY 1996					
CODE CODE		PROJECT T	ITLE	SCOP	<u>2</u>	(\$000)	STAR	N STAT	
124-135 B		UNDERGROUN E TANKS	ND FUEL	,	LS	320	JUN 9	3 MAY	9!
, ,									
•	•	÷				-			,
8. STATE 1	RESERVE			DARD RECOMM	ENDAT:	ION			,
8. STATE 1	RESERVE	FORCES FAC			ENDAT:	ION		AR 94	
8. STATE I	RESERVE lateral	Constructi	ion Approve	ed	ENDAT:	ION		AR 94 ate)	*
8. STATE I Uni	RESERVE lateral		ion Approve		ENDAT:		(D	ate)	es
8. STATE I Uni 9. LAND AG	RESERVE lateral	Construct:	ion Approve	None	ENDAT			ate)	es
8. STATE I Uni 9. LAND AG	RESERVE lateral	Constructi	ion Approve	None	ENDAT		(D	ate)	es
B. STATE I Uni B. LAND AG 10. PROJEG	RESERVE lateral	Construct:	ion Approve	None		1)	(D Jumber	ate)	es
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE	RESERVE lateral CQUISIT	Construct:	ion Approve ED KT FOUR YEA	None ARS SCOP		COST (\$000)	(D Jumber	ate)	es
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE 171-447	RESERVE lateral CQUISIT CTS PLA COMMUNI TRAINI	Construct: ION REQUIRE NNED IN NEX	ion Approve ED KT FOUR YEA ITLE D ELECTRONI	None ARS SCOP	E	COST (\$000) 3,950	(D Jumber	ate)	es.
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE 171-447	RESERVE lateral CQUISIT CTS PLA COMMUNI TRAINI	CONSTRUCTS ION REQUIRE NNED IN NEX PROJECT TO CATIONS AND NG FACILITY AND CIVIL IS	ion Approve ED KT FOUR YEA ITLE D ELECTRONI	None ARS SCOP	<u>E</u> 00 SF	COST (\$000) 3,950	(D Jumber	ate)	es
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE 171-447	RESERVE lateral CQUISIT CTS PLA COMMUNI TRAINI SUPPLY	CONSTRUCTS ION REQUIRE NNED IN NEX PROJECT TO CATIONS AND NG FACILITY AND CIVIL IS	ion Approve ED KT FOUR YEA ITLE D ELECTRONI	None ARS SCOP	<u>E</u> 00 SF	COST (\$000) 3,950	(D Jumber	ate)	es
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE 171-447	RESERVE lateral CQUISIT CTS PLA COMMUNI TRAINI SUPPLY	CONSTRUCTS ION REQUIRE NNED IN NEX PROJECT TO CATIONS AND NG FACILITY AND CIVIL IS	ion Approve ED KT FOUR YEA ITLE D ELECTRONI	None ARS SCOP	<u>E</u> 00 SF	COST (\$000) 3,950	(D Jumber	ate)	es
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE 171-447	RESERVE lateral CQUISIT CTS PLA COMMUNI TRAINI SUPPLY	CONSTRUCTS ION REQUIRE NNED IN NEX PROJECT TO CATIONS AND NG FACILITY AND CIVIL IS	ion Approve ED KT FOUR YEA ITLE D ELECTRONI	None ARS SCOP	<u>E</u> 00 SF	COST (\$000) 3,950	(D Jumber	ate)	es
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE 171-447	RESERVE lateral CQUISIT CTS PLA COMMUNI TRAINI SUPPLY	CONSTRUCTS ION REQUIRE NNED IN NEX PROJECT TO CATIONS AND NG FACILITY AND CIVIL IS	ion Approve ED KT FOUR YEA ITLE D ELECTRONI	None ARS SCOP	<u>E</u> 00 SF	COST (\$000) 3,950	(D Jumber	ate)	es
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE 171-447	RESERVE lateral CQUISIT CTS PLA COMMUNI TRAINI SUPPLY	CONSTRUCTS ION REQUIRE NNED IN NEX PROJECT TO CATIONS AND NG FACILITY AND CIVIL IS	ion Approve ED KT FOUR YEA ITLE D ELECTRONI	None ARS SCOP	<u>E</u> 00 SF	COST (\$000) 3,950	(D Jumber	ate)	es
8. STATE I Uni 9. LAND AG 10. PROJEC CATEGORY CODE 171-447	RESERVE lateral CQUISIT CTS PLA COMMUNI TRAINI SUPPLY	CONSTRUCTS ION REQUIRE NNED IN NEX PROJECT TO CATIONS AND NG FACILITY AND CIVIL IS	ion Approve ED KT FOUR YEA ITLE D ELECTRONI	None ARS SCOP	<u>E</u> 00 SF	COST (\$000) 3,950	(D Jumber	ate)	es

. COMPONENT			GUARD AND			2. DA	TE
ANG . INSTALLATIO	201 2 2 2 2		ARY CONSTR	UCTION			
EPULVEDA AIR			TION CALIF	ORNIA			
1. PERSONNEL	STRENG	TH AS OF	1 SEP 94				
						SUARD/RES	PDVF
	TOTAL	OFFICER	MANENT ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTE
AUTHORIZED	27	1	24	2	152	8	144
ACTUAL	26	1	23	2	144	8	136
.2. RESERVE U	NIT DAT	'A					
	חת ידואוו	SIGNATIÓN	ī	S AUTHORIZE	TRENGTH	ACTUAL	
	ONII DE	BIGNATION			-		
	261	CC SQ	TOTALS	152 152	-	144	
							•
			•		•		
•							
							,
				• •	•		:
						,	
•							
	,						
L3. MAJOR EQU	IPMENT	AND AIRCE	RAFT				
				AUTHORIZE	n i	ASSIGNED	
_	YPE				= :		
Support Equip Vehicle Equiv				35 145		35 145	
CHULL BUULV				177			

1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	
3. INSTALLATIO	N AND LOCATION	4. AREA CONSTR
BUCKLEY AIR NA	TIONAL GUARD BASE, COLORADO	COST INDEX
		1.02

5. FREQUENCY AND TYPE OF UTILIZATION

Normal tenant organization admin 5 days/week; Weekend unit tng assemblies 2/3 day weekends one weekend/month tenant organization; 1 evening/week "Open House", physical fitness and administration for each tenant organ; Band practice 1 day/month, schedules ensembles practice one day/week.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 400 Person Armory, Aurora, 3 Miles; Fitzsimmons, Denver, 6 Miles; Navy (Navy, Marines, Coast Guard) Reserve Center, Aurora, 1/2 Mile; 4 ARNG Armories, Army Aviation Support Facility, Organization Maintenance Facility, USAR Armories, Denver, 4 and 6 Miles.

7. PROJE	CTS REQUESTED IN THIS PROGRAM:	FY 1996			
CATEGORY	•		COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
					**
219-943	BASE ENGINEER PAVEMENTS	3,400 SF	450	FEB 92	FEB 94
	AND GROUNDS FACILITY				
821-115	UPGRADE HEATING SYSTEMS	LS	950	OCT 93	JUN 95

8.	STATE	RESERVE	FORCES	FACILITIES	BOARD	RECOMMENDATION			
	Uni	ilateral	Constru	action Appro	oved		15	FEB	94
							(Date)

9. LAND ACQUISITION REQUIRED	None	_			
·			(Number	of	Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY		COST		-	
CODE PROJECT TITLE	SCOPE	(\$000)_		
131-111 ADD TO AND ALTER COMMUNICATION FACILITY	11,200 SF	820	0		
216-642 MUNITIONS MAINTENANCE AND STORAGE COMPLEX	20,200 SF	4,35			
832-266 UPGRADE SANITARY SEWER SYSTEM	LS	310	0		
851-147 UPGRADE BASE INFRASTRUCTURE	LS	10,000	Ö		
871-183 UPGRADE BASE DRAINAGE SYSTEM	LS	1,00	0		

. COMPONENT	T	FY 1996	GUARD AND	RESERVE		2. DA	TE
ANG	<u> </u>		ARY CONSTR	UCTION			
. INSTALLATI							
BUCKLEY AIR N	NATIONAL	GUARD BA	SE, COLORA	ЮО			
1. PERSONNEI	STRENG	TH AS OF	18 AUG 94				
	Julia						
		PER	MANENT			GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTE
AUTHORIZED	732	63	439	230	1,571	229	1,342
ACTUAL	718	74	377	267	1,509	225	1,284
2 PROBRIE I	INTO DAG	N			-		-
.2. RESERVE U	DNII DAI.	n		si	RENGT	I	
	UNIT DE	SIGNATION		AUTHORIZE		ACTUAL	
		·			-		
	240	CEF FT		33		35	
	140	LOG GP		16	•	17	
	140	OPS GP		3		3	
	140			34		37	
	120	-		42		46	
	140	SVS FT		34		31	
	140	TAC HP		73		6.6	
	140	MSS SQ		34		37	
	140	CAM MT		435		391 48	
	140	FTW WG		49 37		48 41	
	140	COM FT		20		19	
•	120			134		127	
•	140 154	_		131	•	124	
•	227	•		69		62	
	138	ACS SQ		121		106	
•	140	SP FT		57		59	4
	140	SPT GP		5		4	
	140	OSF		22		33	
•	140	LG SQ		107		104	
		STU FT		0		1	
	200	AS		82		85	•
	HQ	CO ANG		33		33	
			TOTALS	1,571		1,509	
.3. MAJOR EQU	JIPMENT	AND AIRCR	AFT				
2	TYPE .			AUTHORIZEI	2	ASSIGNED	
_	_						
7-16 Aircraft 7-43A Aircraf				15 2		26 2	

<u>TYPE</u>	AUTHORIZED	ASSIGNED
F-16 Aircraft	15	26
T-43A Aircraft	2	2
Support Equipment	235	250
Vehicle Equivalents	751	861

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) ANG 4. PROJECT TITLE 3. INSTALLATION AND LOCATION BASE ENGINEER PAVEMENTS AND GROUNDS FACILITY BUCKLEY AIR NATIONAL GUARD BASE COLORADO 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)

\$450

219-943 CRWU919737 55296F

9. COST ESTIMATES								
			UNIT	COST				
ITEM	U/M	QUANTITY	COST	(\$000)				
BASE ENGINEER PAVEMENTS/GROUNDS FACILITY	SF	3,400	85	289				
SUPPORTING FACILITIES				120				
UTILITIES	LS			(20)				
PAVEMENTS	LS			(50)				
SITE IMPROVEMENTS	LS			(15)				
PRE-WIRED WORK STATIONS	LS			(<u>35</u>)				
SUBTOTAL		j		409				
CONTINGENCY (5%)				20				
TOTAL CONTRACT COST				429				
SUPERVISION, INSPECTION AND OVERHEAD (5%)				21				
TOTAL REQUEST .				450				
TOTAL REQUEST (ROUNDED)				450				
·								
				,				

10. Description of Proposed Construction: Concrete foundation and floor slab, masonry walls, and roof system. All utilities, pavements, site improvements, and support.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 3,400 SF ADEQUATE: 0 SUBSTANDARD: 400 SF PROJECT: Base Engineer Pavements and Grounds Facility (Current Mission). REQUIREMENT: The Air National Guard is the host at Buckley for the active duty Air Force, Navy Reserves, and Army National Guard. The base requires an adequately sized and properly configured facility that will house the equipment and people necessary for base snow removal and all other daily airfield roads and grounds activities. Functional areas include offices, classroom, material storage, and vehicle storage.

CURRENT SITUATION: The base engineer pavements and grounds section operate from a small temporary building and an outside storage area. and storage areas are almost non-existent. The available area is poorly configured, cluttered and inefficient. The crews must work outside to maintain the equipment. An area for inside training does not exist. Equipment deterioration is accelerating due to exposure to the weather elements. Vehicle failure during sub-zero temperatures has substantially increased and has negatively impacted the snow removal and base support operations. Upon completion of this project, Building 720 at 400 SF will be demolished.

IMPACT IF NOT PROVIDED: Continued deterioration of the equipment will adversely affects the personnel and the mission capability. Increased cost for equipment maintenance and reduced ability to support the flying mission. Very inefficient operation. Forced outside work can lead to personal injuries.

BUCKLEY AIR NATIONAL GUARD BASE COLORADO PROJECT TITLE SASE ENGINEER PAVEMENTS AND GROUNDS FACILITY CRWU919737		·		י י
	1. COMPONE			DATE
SUCKLEY AIR NATIONAL GUARD BASE COLORADO I. PROJECT TITLE SASE ENGINEER PAVEMENTS AND GROUNDS FACILITY CRWU919737 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 5. PROJECT NUMBER CRWU919737 CRWU919737 P2 FEB 05 100% 93 AUG 11 94 FEB 05 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A (5)000 (20) (3) Total Cost (c) = (a) + (b) or (d) + (e): (5)000 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 APR	ANG			
A. PROJECT TITLE SASE ENGINEER PAVEMENTS AND GROUNDS FACILITY CRWU919737 1.2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 5. PROJECT NUMBER CRWU919737 CRWU919737 NO (92 FEB 05 100% 93 AUG 11 94 FEB 05 NO (N)A (5) OX (6) Where Design Complete (5) OX (6) All Other Design Costs (7) Total (8) OX (9) Total (9) Total (1) Construction Start (1) Status (2) Standard or Definitive Design - (2) Standard or Definitive Design - (3) Total Cost (c) = (a) + (b) or (d) + (e): (5) OX (8) OX (9)	3. INSTALI	ATION AND LOCATION		
### ARSE ENGINEER PAVEMENTS AND GROUNDS FACILITY CRWU919737			5 DD0 70	om WWOED
A. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) Equipment associated with this project will be provided from	4. PROJECT	TITLE	5. PROJE	CT NUMBER
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (c) Total (d) Contract (e) In-house (4) Construction Start (5) Equipment associated with this project will be provided from	BASE ENGI	EER PAVEMENTS AND GROUNDS FACILITY	CRWU9	19737
(1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) Equipment associated with this project will be provided from	12. SUPPI	EMENTAL DATA:		
(a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (a) Date Design Started (b) All Other Design Costs (c) Total (d) Contract (e) In-house (5000 (a) Production Start (b) All Other Design Costs (c) Total (d) Contract (e) In-house	a. Est	mated Design Data:		
(a) Date Sign Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) Design Cost will be provided from	(1)	Status:		
(c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) APR	, ,	(a) Date Design Started		
(d) Date Design Complete (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 APR b. Equipment associated with this project will be provided from				
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 22 (b) All Other Design Costs 8 (c) Total 30 (d) Contract 30 (e) In-house (4) Construction Start 96 APR		(c) Date 35% Designed		
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 22 (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 APF		(d) Date Design Complete		94 FEB US
(a) Standard of Bethinter's Bootyn (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications 22 (b) All Other Design Costs (c) Total 30 (d) Contract 30 (e) In-house (4) Construction Start 96 APF	(2)	Basis:		NO
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 56 APF 56. Equipment associated with this project will be provided from		(a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -		-
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 56 APF 57 Equipment associated with this project will be provided from	(3)	Total Cost (c) = $(a) + (b)$ or $(d) + (e)$:	,	(\$000
(b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 56 96 APF 67 68 97 98 99 90 90 90 90 90 90 90 90	(-)	(a) Production of Plans and Specifications		22
(c) Total (d) Contract (e) In-house (4) Construction Start 96 APF 5. Equipment associated with this project will be provided from		(b) All Other Design Costs		8
(d) Contract (e) In-house (4) Construction Start 96 APF b. Equipment associated with this project will be provided from				30
b. Equipment associated with this project will be provided from	٠.	(d) Contract		30
b. Equipment associated with this project will be provided from other appropriations: N/A	(4)	Construction Start		96 APF
b. Equipment associated with this project will be provided from other appropriations: N/A		•		
b. Equipment associated with this project will be provided from other appropriations: N/A			•	
	b. Equip	nent associated with this project will be provide ropriations: N/A	d from	
		•		
				٠
		•		

1. COMPONENT	FY 1996 MILITARY C	ONSTRUCTION PROJECT	2. DATE				
ANG	(comput	er generated)					
5. PROGRAM ELEMEN	T 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)				
55256F	821-115	CRWU939853	\$950				

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE HEATING SYSTEMS	LS			760
SUPPORTING FACILITIES				100
UTILITIES	LS			(50)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS	LS	1		(20)
SUBTOTAL				860
CONTINGENCY (5%)				43
TOTAL CONTRACT COST				903
SUPERVISION, INSPECTION AND OVERHEAD (5%)	1			45
TOTAL REQUEST	1			948
TOTAL REQUEST (ROUNDED)				950
	1	1		
		1 1		
		1 [•	
	$\int d^{2}x$	1		4
			'	

- 10. Description of Proposed Construction: Shutdown of the existing steam distribution system serving the eleven buildings on the east side of the base requires the installation of packaged heating systems. These will be grouped to serve the affected buildings. Provide all required utilities, pavements, site improvements and support.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade Heating Systems (Current Mission).

REQUIREMENT: This is a Level II environmental compliance project as a result of the Clean Air Act Amendments of 1990. The base requires adequate heating systems which are economical to maintain, operate and do not pollute the air and ground water. Buildings 809, 902, and 909 require packaged heating units.

CURRENT SITUATION: The base has a central heating plant which serves eleven buildings through a system of approximately four miles of underground and above ground high temperature hot water lines. The central plant emits excessive concentrations of hazardous air pollutants and criteria pollutants which will put it in violation of air quality emissions standards. The plant is uneconomical to operate and has numerous health and safety violations. The lines serving the buildings are old, poorly insulated, and need to be replaced. There are numerous leaks and substantial loss of energy through these leaks. The pipes have friable asbestos insulation. The electrical connections are unsafe. It is uneconomical to upgrade the heating plant to meet air quality standards. The base is in a non-attainment area for Ozone and reasonably available control technology must be used. This project will construct smaller, energy efficient heating units that will meet air emissions standards and will be more economical to operate and maintain. The

1. COMPONENT			2. DA	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A		
ANG	(computer generated)			
	ON AND LOCATION			
BUCKLEY AIR N	ATIONAL GUARD BASE COLORADO			
4. PROJECT TI	TLE	5.	PROJECT	NUMBER
ווסכסאחם טפאתו	NC CVCTEVC	i .	CDMIIO 300	25.2

grouping was determined by an extensive study and economic analysis. Upon completion of this project, Building 903 at 3,036 SF and all appurtenances will be demolished.

IMPACT IF NOT PROVIDED: Larger energy losses. Inadequate heating for eleven buildings. Health and safety hazards. Higher operating costs. Increased personnel costs to operate the heating plant. Environmental hazards associated with deteriorating friable asbestos throughout plant and lines. Violation of the federal and state environmental laws. Possible shut down of the system with partial shut down of the base. ADDITIONAL: A life cycle economic analysis has been prepared comparing all reasonable options for accomplishing this project. The analysis indicates that the grouping of the boilers into packaged units is the most economical alternative.

ANG	MPONE	TM	FY 1996 MILITARY CONSTRUCTION PROJECT DA (computer generated)	2. DATE
3. IN	STALI	ATIC	ON AND LOCATION	
וומעד	וא עם	מוא כדו	ATIONAL GUARD BASE COLORADO	
~	OJECI			5. PROJECT NUMBER
IPGRA	DE HE	ATIN	NG SYSTEMS	CRWU939853
2.	SUPPI	LEMEN	NTAL DATA:	
a.	Esti	mate	ed Design Data:	
	(1)	Sta	atus:	
			Date Design Started	93 OCT 22
			Percent Complete as of Jan 95	409
			Date 35% Designed	94 DEC 22
		(d)	Date Design Complete	95 JUN 01
	(2)			
			Standard or Definitive Design -	NO
		(p)	Where Design Was Most Recently Used -	N/A
	(3)		tal Cost (c) = (a) + (b) or (d) + (e):	(\$000
			Production of Plans and Specifications	20
			All Other Design Costs	12
•			Total Contract	32 ·
			In-house	
		, .		· 06 >D
	(4)	Cor	nstruction Start	96 APF
				•
			associated with this project will be provide	ded from
			associated with this project will be provide iations: N/A	ded from
				ded from

						2. DATE	
1. COMPONENT ANG		RD AND RESEF CONSTRUCTION				2. DATE	
GLYNNCO AIR N	ON AND LOCATION NATIONAL GUARD STATIO					COST	CONSTR INDEX 86
Twelve month	AND TYPE OF UTILIZAT Ly assemblies per yea use by technician for	r, 15 days a	nnual tiona	fiel l gua	d trai irdsmen	ning per for 365	days
	IVE/GUARD/RESERVE INS hal Guard, 1 Coast Gu		VITHIN	15 N	IILE RA	DIUS	
7. PROJECTS F	REQUESTED IN THIS PRO	GRAM: FY 19	96		COST	DESIGN	STATUS
CODE	PROJECT TITLE	so	COPE	_	\$000)	START	CMPL
	LACE UNDERGROUND FUEL DRAGE TANKS		•	LS	320	NOV 91	JUN 94
				-	-		
	ERVE FORCES FACILITIE eral Construction App			-		1 DEC	
Unilate				ATIO	-		e)
Unilate	eral Construction App	None YEARS		ATION	-	(Dat	e)
Unilate 9. LAND ACQUI 10. PROJECTS CATEGORY CODE 442-758 ADD	eral Construction App ISITION REQUIRED PLANNED IN NEXT FOUR	None YEARS	OMMEND	ATION	(N	(Dat	e)
Unilate 9. LAND ACQUI 10. PROJECTS CATEGORY CODE 442-758 ADD	eral Construction Apprisition Required PLANNED IN NEXT FOUR PROJECT TITLE TO AND ALTER BASE SU	None YEARS	OMMEND	ATION	(N COST \$000)	(Dat	e)
Unilate 9. LAND ACQUI 10. PROJECTS CATEGORY CODE 442-758 ADD	eral Construction Apprisition Required PLANNED IN NEXT FOUR PROJECT TITLE TO AND ALTER BASE SU	None YEARS	OMMEND	ATION	(N COST \$000)	(Dat	e)
Unilate 9. LAND ACQUI 10. PROJECTS CATEGORY CODE 442-758 ADD	eral Construction Apprisition Required PLANNED IN NEXT FOUR PROJECT TITLE TO AND ALTER BASE SU	None YEARS	OMMEND	ATION	(N COST \$000)	(Dat	e)
Unilate 9. LAND ACQUI 10. PROJECTS CATEGORY CODE 442-758 ADD	eral Construction Apprisition Required PLANNED IN NEXT FOUR PROJECT TITLE TO AND ALTER BASE SU	None YEARS	OMMEND	ATION	(N COST \$000)	(Dat	e)
Unilate 9. LAND ACQUI 10. PROJECTS CATEGORY CODE 442-758 ADD	eral Construction Apprisition Required PLANNED IN NEXT FOUR PROJECT TITLE TO AND ALTER BASE SU	None YEARS	OMMEND	ATION	(N COST \$000)	(Dat	e)
Unilate 9. LAND ACQUI 10. PROJECTS CATEGORY CODE 442-758 ADD	eral Construction Apprisition Required PLANNED IN NEXT FOUR PROJECT TITLE TO AND ALTER BASE SU	None YEARS	OMMEND	ATION	(N COST \$000)	(Dat	e)

2. DATE 1. COMPONENT FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION ANG

3. INSTALLATION AND LOCATION GLYNNCO AIR NATIONAL GUARD STATION, GEORGIA

11. PERSONNEL STRENGTH AS OF 30 JUN 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	50	4	44	2	281	14	267
ACTUAL	52	3	47	2	252	. 14	238

12. RESERVE UNIT DATA

STRENGTH					GTH
UNIT DE	SIGN	ATION		AUTHORIZED	ACTUAL
224	JCS	SQ		241	218
111	ACP	FT		40	34
			TOTALS	281	252

TYPE	AUTHORIZED	ASSIGNED	
Comm-Elec Equipment	68	66	
Support Equipment	97	95	
Vehicle Equivalents	417	452	

				lo nama
1. COMPONENT ANG	FY 1996 GUARD AI MILITARY CONS			2. DATE
3. INSTALLATION	······································			4. AREA CONST
HUNTER ANG STAT	CION, GEORGIA	-		COST INDEX
				0.84
Twelve monthly	ND TYPE OF UTILIZATION assemblies per year, 15 e by technician force as	_		
other active	E/GUARD/RESERVE INSTALL	ATIONS WITHI	N 15 MILE RA	ADIUS
_	Army, 2 Air National Gua Al Reserve, 1 Coast Gua	_	National Gua	ard, 1 Army
	QUESTED IN THIS PROGRAM	: FY 1996	· · · · · · · · · · · · · · · · · · ·	
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	<u>(\$000)</u>	START CMPL
	CE UNDERGROUND FUEL AGE TANKS		LS 400	NOV 91 JUL 9
			•	
.*	g		•	$\mathcal{C}_{\mathcal{C}} = \mathcal{C}_{\mathcal{C}}$
	VE FORCES FACILITIES BOAL Construction Approve		DATION	1 DEC 93
9. LAND ACQUISI	TION REQUIRED	None		(Date)
			(1	Number of Acres
10. PROJECTS PI	ANNED IN NEXT FOUR YEAR	RS		
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
	•			
			•	
				•
		•		
•				

1.	COMPONENT	FY 1996 GUARD AND RESERVE	2.	DATE
	ANG	MILITARY CONSTRUCTION		

3. INSTALLATION AND LOCATION HUNTER ANG STATION, GEORGIA

11. PERSONNEL STRENGTH AS OF 30 JUN 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	48	4	42	2	299	30	269
ACTUAL	47	4	41	2	239	29	210

12. RESERVE UNIT DATA

•		STREN	GTH
UNIT DESIGNATION		AUTHORIZED	ACTUAL
117 TAC SQ		299	239
	TOTALS	299	239

TYPE	AUTHORIZED	ASSIGNED
Comm-Elec Equipment	29	29
Support Equipment	95	86
Vehicle Equivalents	366	425

1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE				
ANG	MILITARY CONSTRUCTION					
3. INSTALLATIO	3. INSTALLATION AND LOCATION					
SAVANNAH INTER	SAVANNAH INTERNATIONAL AIRPORT, GEORGIA					
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	A V					

5. FREQUENCY AND TYPE OF UTILIZATION

Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.

- 6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
- 1 Army Base, 2 Air National Guard, 2 Army National Guard, 1 Army Reserve,
- 1 Naval Reserve and 1 Coast Guard

7. PROJECTS REQUESTED IN THIS PROGRAM:	FY 1996			
CATEGORY		COST	DESIGN	STATUS
CODE PROJECT TITLE	SCOPE	(\$000)	START	CMPL
211-152 ALTER AIRCRAFT MAINTENANCE	63,200 SF	1,300	NOV 91	AUG 94
SHOPS			•	

	8.							RECOMMENDATION			
ļ		Un:	ilateral	Constru	ction A	ppro	oved		<u>-1</u>	DEC	93
Į										(Date	≥)

			-
9. LAND ACQUISITION REQUIRED	None		-
·		(Number of Acres	Ш
10. PROJECTS PLANNED IN NEXT FOUR YEARS			T
CATEGORY		COST	
CODE PROJECT TITLE	SCOPE	(\$000)	
			-
171-445 OPERATIONS AND TRAINING	6,000 SF	1,200	
FACILITY	•		
442-758 BASE SUPPLY AND CIVIL ENGINEER	96,400 SF	9,100	
COMPLEX			İ
730-142 JOINT ANG/FAA FIRE STATION	11,000 SF	775	
730-835 SECURITY POLICE OPERATIONS	5,600 SF	1,050	1
FACILITY	•	•	
			- 1

2. DATE 1. COMPONENT FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION ANG

3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA

11. PERSONNEL STRENGTH AS OF 30 JUN 94

		PER	MANENT		GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	287	24	221	42	998	130	868
ACTUAL	293	23	228	42	1,006	133	873

12. RESERVE UNIT DATA

	••		STRENGTH				
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL			
165	AL GP		53	58			
165	MSS FT		34	33			
165	SVS FT		25	25			
165	HOSP		64	64			
158	AL SQ		95	105			
165	OPS GP		6	7			
165	LOG SQ		107	105.			
165	SP SQ		57	56			
165	CE SQ		156	148			
165	CMN FT		42	42			
165	AP SQ		101	98			
165	MNT SQ		168	175			
165	CRTC	•	60	58			
165	SUP GP		5	6			
165	LOG GP		7	7			
165	OSF		18	19			
		TOTALS	998	1,006			

TYPE	AUTHORIZED	ASSIGNED		
C-130H Aircraft	8	9		
Support Equipment	61	58		
Vehicle Equivalents	255	257		

1. COMPONENT					2. DATE		
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA						
ANG	(00	omputer gener	ated)				
3. INSTALLAT	3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
			ALTER AIRCRA	FT MAINTE	NANCE		
SAVANNAH INT	SAVANNAH INTERNATIONAL AIRPORT GEORGIA SHOPS						
5. PROGRAM E	LEMENT 6. CATEGORY	CODE 7. PRO	ECT NUMBER	8. PROJEC	T COST(\$000)		

55296F 211-152 XDQU919576 \$1,300

9. COST ESTIMATES

5. COST ESTIMAT	ES				
			UNIT	CC	OST
ITEM	U/M	QUANTITY	COST	(\$0	000)
ALTER AIRCRAFT MAINTENANCE SHOPS	SF	63,200			924
ALTER GENERAL PURPOSE SHOPS	SF	21,600	13	(281)
ALTER ORGANIZATIONAL MAINTENANCE SHOPS	SF	8,000	20	(160)
ALTER SURVIVAL EQUIPMENT SHOP	SF	4,200	25	(105)
ALTER PHOTO LAB	SF	2,100	50	(105)
ALTER MAINTENANCE OFFICES	SF	27,300	10	(273)
SUPPORTING FACILITIES					275
UTILITIES/FIRE SUPRESSION	LS		•	(100)
ASBESTOS REMOVAL	LS			(75)
PRE-WIRED WORK STATIONS	LS			(_	100)
SUBTOTAL				1	1,199
CONTINGENCY (5%)				_	60
TOTAL CONTRACT COST				1	1,259
SUPERVISION, INSPECTION AND OVERHEAD (5%)				l _	63
TOTAL REQUEST		.		1	1,322
TOTAL REQUEST (ROUNDED)		• •		1	1,300
				l	

- 10. Description of Proposed Construction: Alteration of interior by upgrading utilities, relocating partitions, providing and extending utilities, replacing floors, wall and ceiling surfaces and altering heating and air conditioning systems. Remove asbestos.

 Air Conditioning: 60 Tons.
- 11. REQUIREMENT: 63,200 SF ADEQUATE: 0 SUBSTANDARD: 63,200 SF PROJECT: Alter Aircraft Maintenance Shops (Current Mission).

 REQUIREMENT: The base requires adequately sized, properly configured and environmentally safe aircraft maintenance shops to support C-130 aircraft. The airlift mission requires functional, energy efficient, aircraft maintenance shops and a control complex to direct aircraft repair, fabrication, calibration, servicing, and administration. A fire supression system that complies with current regulations must be installed.

CURRENT SITUATION: The hangar complex was constructed in the early 1950's. As the type of aircraft has changed, several shops have been added over the years leading to an extremely poor and inefficient interior layout. The facility is structurally safe but does not meet standards. Some shops are poorly configured and need to be relocated and improved. Some shops are too small, while others are too large. The facility does not meet energy conservation standards. There are numerous health and safety hazards. The electrical distribution system must be upgraded to meet higher demand resulting from new equipment that has been installed over the years. Electrical panels and wires are incorrectly sized and do not meet the National Electric Code. Ventilation in the shops is inadequate. Some shops are too hot while others are cold. The administrative areas must be rearranged for a more functional working

1 COMPONENT							2. DATE		
1. COMPONENT	FY 1996	MILITAR	Y CONSTR	RUCTION P	ROJECT DAT	'A	Z. DATE		
ANG									
3. INSTALLATION AND LOCATION									
SAVANNAH INTE	SAVANNAH INTERNATIONAL AIRPORT GEORGIA								
4. PROJECT TI	TLE					5. PRO	DJECT NUMBER		
ALTER AIRCRAF	T MAINTENAN	CE SHOPS				XDO	QU919576		
			·						
environment. during constr									
training place		e ractif	cy does	noc repr	esenr a dr	attrà	WOLK OI		
IMPACT IF NOT	PROVIDED:								
backlog and i operational r									
aircraft. Hi				·······································	to brober:	.j mari			
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L. COMPONI	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT D	ል ጥል	2. DATE
NG		(computer generated)	nin	
	LATION	AND LOCATION		
AVANNAH	INTERN	ATIONAL AIRPORT GEORGIA		
. PROJEC	r TITL	E	5. PR	OJECT NUMBER
LTER AIR	CRAFT	MAINTENANCE SHOPS	XD	QU919576
.2. SUPP	LEMENT	AL DATA:		
a. Est:	imated	Design Data:		
(1)	Stat	us:		•
\- /		Date Design Started		91 NOV 04
		Percent Complete as of Jan 95		1009
		Date 35% Designed		93 JAN 14
		Date Design Complete		94 AUG 30
(2)	Basi	· · · · · · · · · · · · · · · · · · ·		
•		Standard or Definitive Design -		NO
	(p)	Where Design Was Most Recently Used -		N/A
(3)		1 Cost (c) = (a) + (b) or (d) + (e):		(\$000
		Production of Plans and Specifications		43
		All Other Design Costs		18
•	(c)			61 61
		Contract In-house		
(4)	Cons	truction Start		96 MAF
o. Equip	ment a	ssociated with this project will be provi	ded fro	om
ther app				•

1. COMPONEN	- I			2. DATE
ANG	MILITARY CO	NSTRUCTION		4. AREA CONSTI
	TION AND LOCATION			
BOISE AIR T	ERMINAL (GOWEN FIELD), I	DAHO		COST INDEX
				1.19
	Y AND TYPE OF UTILIZATION			
	hly assemblies per year,			ining per
year, daily	use by technician/AGR f	orce and for to	aining.	
• •				
6 OTHER AC	TIVE/GUARD/RESERVE INSTA	LLATIONS WITHIN	1 15 MILE RA	ADIUS
	onal Guard Facility, 1 A			
	1 Army Research Institu			
Detachment,	I Army Research Institu	ce and I havy/.	idi inc ooip	1.050210
7 000 70000	PROJECTED IN MUTE BROOT	AM: FY 1996		
	REQUESTED IN THIS PROGR	mr: F1 1970	COST	DESIGN STATUS
CATEGORY	770 THAM MTM*	econe.		
CODE	PROJECT TITLE	SCOPE	(\$000)	START CMPL
		•		3 2 0 A 1/3 2 O
	MOVE UNDERGROUND FUEL		LS . 320	AUG 94 MAY 95
S	TORAGE TANKS			
		-		
		•		
•		•		'
8. STATE RE	SERVE FORCES FACILITIES	BOARD RECOMMENI	NOITAC	,
Unila	teral Construction Appro	ved	4	18 APR 94
	· · · · · · · · · · · · · · · · · · ·			(Date)
9. LAND ACC	UISITION REQUIRED	None		
			(1	Number of Acres
	•		14	14111002 02 110200
10. PROJECT	S PLANNED IN NEXT FOUR Y	EARS		
	S PLANNED IN NEXT FOUR Y	EARS	COST	
CATEGORY	-		COST	
	S PLANNED IN NEXT FOUR Y	YEARS SCOPE		
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
CATEGORY CODE 171-450 JC	PROJECT TITLE		COST (\$000)	
CATEGORY CODE 171-450 JC	PROJECT TITLE INT MEDICAL TRAINING PACILITY (ANG/ARNG)	<u>SCOPE</u>	COST (\$000) SF 1,550	
CATEGORY CODE 171-450 JC F 211-111 UF	PROJECT TITLE INT MEDICAL TRAINING ACILITY (ANG/ARNG) GRADE MAINTENANCE HANGAR	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE INT MEDICAL TRAINING ACILITY (ANG/ARNG) GRADE MAINTENANCE HANGAR	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	
CATEGORY CODE 171-450 JC F 211-111 UF 211-179 UF	PROJECT TITLE OINT MEDICAL TRAINING PACILITY (ANG/ARNG) OGRADE MAINTENANCE HANGAR OGRADE FUEL CELL/CORROSIO	13,000 61,000	COST (\$000) SF 1,550 SF 4,000	

	•					
1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE				
ANG	MILITARY CONSTRUCTION					
3. INSTALLAT	3. INSTALLATION AND LOCATION					
POTCE ATD TH	PMINAL (COWEN FIELD) TDAHO					

11. PERSONNEL STRENGTH AS OF 10 JUN 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	659	61	511	87	1,331	181	1,150
ACTUAL	593	61	459	73	1,298	157	1,141

12. RESERVE UNIT DATA

			STRENGTH			
UNIT DES	SIGNATION		AUTHORIZED	ACTUAL		
HQ	ID ANG		30	28		
124	SVF		27	29		
124	OPS GP		9	7		
124	LOG GP		18	18		
124	SPT GP		5	5		
124	OSF		43	28		
124	MSF		35	35		
124	MNT SQ		506	490		
124	FLT GP		49	49		
124	MED SQ		51	49		
190	FLT SQ		63	51		
124	CES	•	: 128	125		
124	SPS	•	57	. 21		
124	LOG SQ		107	, 101 ,		
189	FT FLT		120	115		
124	COM FL		46	40		
ID	ANG		30	28		
8124	ST FLT		7	49		
		TOTALS	1,331	1,298		

TYPE	AUTHORIZED	ASSIGNED
F-4G Aircraft	30	30
C-26 Aircraft	1	1
Support Equipment	196	196
Vehicle Equivalents	289	361

1. COMPONENT	FY 1996 GUARD AND RESERVE	2.	DATE
ANG	MILITARY CONSTRUCTION		
3. INSTALLATIO	N AND LOCATION	4.	AREA CONSTR
GREATER PEORIA	A AIRPORT ANG, ILLINOIS		COST INDEX
•	·		1.14

5. FREQUENCY AND TYPE OF UTILIZATION

Twelve monthly assemblies per year, twelve supplemental unit training assemblies, 15 days annual training per year, daily use by technician/AGR force.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
1 Army National Guard Armory, 1 Naval Reserve, 1 Marine Corps Reserve, 1
Army Reserve Center and 1 Coast Guard Reserve.

7. PROJE	CTS REQUESTED IN THIS PROGRAM:	FY 1996			
CATEGORY		,	COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
113-321	ADD TO AIRCRAFT PARKING APRON	6,900 SY	630	APR 94	JUN 95
116-672	AIRCRAFT DEICING FACILITY	LS	400	APR 94	MAY 95
141-753	ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	19,100 SF	970	APR 94	JUL 95
171-873	ALTER AERIAL PORT TRAINING FACILITY	17,000 SF	710	APR 94	JUL 95
211-152	ALTER AIRCRAFT MAINTENANCE SHOPS	36,300 SF	1,450	APR 94	AUG 95
211-173	ADD TO AIRCRAFT MAINTENANCE HANGAR	9,000 SF	1,200	SEP 93	AUG 95

8.	STATE	RESERVE	FORCES	FACILITIES	BOARD	RECOMMENDATION		
	Uni	ilateral	Constru	action Appro	oved		10 JU	N 94
							(Da	ite)

None

		(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
CODE PROJECT TITLE	SCOPE	<u>(\$000)</u>
211-179 FUEL SYSTEMS MAINTENANCE AND	25,400 SF	3,685

CORROSION CONTROL FACILITY

9. LAND ACQUISITION REQUIRED

1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE			
ANG	MILITARY CONSTRUCTION				
3. INSTALLATION AND LOCATION					
GREATER PEOF	IA AIRPORT ANG, ILLINOIS				

11. PERSONNEL STRENGTH AS OF 31 JUL 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	320	12	60	248	1,194	127	1,067
ACTUAL	290	12	52	226	1,168	128	1,040

12. RESERVE UNIT DATA

		STREN	GTH
SIGNATION	-	AUTHORIZED	ACTUAL
FS		38	44
CES		134	120
ASOC		117	111
MS		411	373
CS		42	36
MSF		33	30
LS		107	101
HQ FG		49	58
MDS		. 69	66
SPS		57	56
SVS FT		30	25
ACFP		61	49
OG		3	3
SG		. 5	[.] 5
LG		16	18
OSF		22	16
STU FT		0	57
	TOTALS	1,194	1,168
	FS CES ASOC MS CS MSF LS HQ FG MDS SPS SVS FT ACFP OG SG LG OSF	FS CES ASOC MS CS MSF LS HQ FG MDS SPS SVS FT ACFP OG SG LG OSF	FS 38 CES 134 ASOC 117 MS 411 CS 42 MSF 33 LS 107 HQ FG 49 MDS 69 SPS 57 SVS FT 30 ACFP 61 OG 3 SG 5 LG 16 OSF 22 STU FT 0

TYPE	AUTHORIZED	ASSIGNED
F-16 Aircraft	15	19
C-26 Aircraft	1	1
C-130 Aircraft	8	0
Support Equipment	120	120
Vehicle Equivalents	709	732

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA ANG (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION GREATER PEORIA AIRPORT ANG ILLINOIS ADD TO AIRCRAFT PARKING APRON 8. PROJECT COST(\$000) 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER JLQN939890 \$630 113-321 54332F 9. COST ESTIMATES UNIT COST U/M OUANTITY COST (SOOO) TTEM 6,900 518 ADD TO AIRCRAFT PARKING APRON SY .50 SUPPORTING FACILITIES 50) LS SITE IMPROVEMENTS 568 SUBTOTAL 28 CONTINGENCY (5%) TOTAL CONTRACT COST 596 30 SUPERVISION, INSPECTION AND OVERHEAD (5%) 626 TOTAL REQUEST 630 TOTAL REQUEST (ROUNDED)

Description of Proposed Construction: Reinforced concrete apron and taxiway; tiedowns, pavement painting, apron lighting, asphalt edge around apron. Improve the drainage along the apron. 11. REQUIREMENT: 52,460 SY ADEQUATE: 45,560 SY SUBSTANDARD:

PROJECT: Add to Aircraft Parking Apron (New Mission). REQUIREMENT: This project supports the conversion from 15 F-16 to 8 C-130 aircraft. The base requires an adequate apron to park, maintain, and operate the aircraft. The apron must be sized and configured to allow aircraft taxiing, access to maintenance facilities and parking for six aircraft. Two aircraft will be parked in hangar facilities. CURRENT SITUATION: The parking apron was constructed for fighter aircraft and is not adequate for the larger C-130 aircraft. The parking spaces are configured for F-16's and are too narrow for the much wider wing span of the C-130 aircraft. The interior taxiways were also configured for F-16's and must be widened to allow sufficient wing-tip clearance for taxiing C-130's. Both the length and width of the existing apron must be extended to provide for the wider parking spaces and taxiways. A taxiway must be extended to the crosswind taxiway. Expansion of the apron will require modifications to the apron lighting and stormwater drainage system which runs along the apron.

IMPACT IF NOT PROVIDED: Insufficient space for assigned aircraft. Violation of airfield clearances and operating standards. The six aircraft cannot be parked with the required clearance. The aircraft have to be towed to and from their parking spaces. Degraded training. The squadron cannot reach full operational capability.

NG TNSTALL		FY 1996 MILITARY CONSTRUCTION PROJECT DAT (computer generated)	
· THOIM	LATIO	N AND LOCATION	
REATER P	EORIA	AIRPORT ANG ILLINOIS	
. PROJEC			5. PROJECT NUMBER
DD TO AI	RCRAF	T PARKING APRON	JLQN939890
2. SUPP	T.FMFN	TAL DATA:	
a. Est	imate	d Design Data:	
(1)	Sta	tus:	
(-)		Date Design Started	94 APR 29
		Percent Complete as of Jan 95	40%
	(c)	Date 35% Designed	94 DEC 05
	. (d)	Date Design Complete	95 JUN 15
(2)	Bas	is:	
\- /		Standard or Definitive Design -	NO
		Where Design Was Most Recently Used -	N/A
- (3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
(3)		Production of Plans and Specifications	10
•		All Other Design Costs	20
		Total .	30
		Contract	<i>"</i> 30
, ,	(e)	In-house	•
(4)	Con	struction Start	, 96 JUN
(-,			
. Equip	ment	associated with this project will be provide	d from
		ations: N/A	
			·

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA

ANG

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

ADD TO AND ALTER SQUADRON

GREATER PEORIA AIRPORT ANG ILLINOIS

OPERATIONS FACILITY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

54332F 141-753 JLQN939874 \$970

9 COST ESTIMATES

9. COST ESTIMAT	l'ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ADD TO AND ALTER SQUADRON OPERATIONS	SF	19,100		727
ADD TO SQUADRON OPERATIONS	SF	3,100	90	(279)
ALTER SQUADRON OPERATIONS	SF	16,000	28	(448)
SUPPORTING FACILITIES				150
UTILITIES	LS			(10)
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(10)
PRE-WIRED WORKSTATIONS	LS			(_120)
SUBTOTAL				877
CONTINGENCY (5%)				44
TOTAL CONTRACT COST				921
SUPERVISION, INSPECTION AND OVERHEAD (5%)				46
TOTAL REQUEST				.967
TOTAL REQUEST (ROUNDED)				970
				1
			•	ł
•	1			

- 10. Description of Proposed Construction: Addition: Reinforced concrete foundation and floor slab, masonry walls, and roof structure. Alteration: Relocate walls and utilities. Exterior of building to match existing. Provide utilities, pavements and site improvements.
- Air Conditioning: 5 Tons.
- 11. REQUIREMENT: 19,100 SF ADEQUATE: 0 SUBSTANDARD: 16,000 SF PROJECT: Add to and Alter Squadron Operations Facility (New Mission).

 REQUIREMENT: This project supports the conversion from 15 F-16 to 8 C-130 aircraft. An adequately sized and properly configured squadron operations facility is required for aircrew members, flight planning and management, intelligence, operations office, contingency operations, navigators, flight engineers, load masters, and training.

CURRENT SITUATION: The squadron operations building is configured to support F-16 aircraft, not the C-130 aircraft which have a much different mission. The building requires interior reconfiguration since some rooms are too small while others are too large to meet the needs of the new functions. Training rooms and briefing areas are too small for the larger sized aircrews. Provisions for classified briefings are not adequate. No rooms exists for navigators, flight engineers, or load masters.

IMPACT IF NOT PROVIDED: The mission cannot be accomplished without violating the security of classified plans. Unable to reach full operational capability. Severely crowded space impacts negatively on training and readiness. Inefficient operations. The additional crew members will have to be housed in leased trailers.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION P (computer generated)	
	ON AND LOCATION	
	· · · · · · · · · · · · · · · · · · ·	
GREATER PEOR	IA AIRPORT ANG ILLINOIS	
PROJECT T	TLE	5. PROJECT NUMBER
ADD TO AND A	LTER SQUADRON OPERATIONS FACILITY	JLQN939874
12. SUPPLEM	ENTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
	Date Design Started	94 APR 29
	Percent Complete as of Jan 95	40%
	Date 35% Designed	94 DEC 05
(d)	Date Design Complete	95 JUL 01
(2) · Ba	asis:	
` '	Standard or Definitive Design -	NO
	Where Design Was Most Recently Us	ed - N/A
	otal Cost (c) = (a) + (b) or (d) + (
	Production of Plans and Specifica	
	All Other Design Costs	. 20
	Total	68
	Contract In-house	68
(0)	In-nouse	•
(4) Co	onstruction Start	96 JUN
	•	
	associated with this project will riations: N/A	be provided from
•		
	•	

1. COMPONENT							2. DATE
	FY 1	FY 1996 MILITARY CONSTRUCTION PROJECT DATA					
ANG	(computer generated)						
3. INSTALLATI	3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
	ALTER AERIAL PORT TRAINING						AINING
GREATER PEORI	IA AIRPOR	T ANG ILL	INOIS		FACILITY		
5. PROGRAM EI	LEMENT 6.	CATEGORY	CODE	7. PRO	JECT NUMBE	R 8. PROJE	CT COST(\$000)
54332F		171-873		JLQ	N939877		\$710

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER AERIAL PORT TRAINING FACILITY	SF	17,000		591
AERIAL PORT TRAINING FACILITY	SF	11,200	45	(504)
EQUIPMENT STORAGE	SF	5,800	15	(87)
SUPPORTING FACILITIES	1			50
PRE-WIRED WORK STATIONS	LS	1		(50)
SUBTOTAL	1			641
CONTINGENCY (5%)				32
TOTAL CONTRACT COST				673
SUPERVISION, INSPECTION AND OVERHEAD (5%)	İ			34
TOTAL REQUEST				707
TOTAL REQUEST (ROUNDED)				710
	1			
	1			
,	1			
	1		`	
•			1	•

10. Description of Proposed Construction: Remove, relocate, and replace interior walls, doors, frames, and hardware; upgrade utility systems and fire protection; provide mechanical and electrical systems, cabinetry and storage bins. Remove exterior aircraft hangar doors and replace with warehouse doors.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 17,000 SF ADEQUATE: 0 SUBSTANDARD: 17,000 SF PROJECT: Alter Aerial Port Training Facility (New Mission). REQUIREMENT: This project supports the conversion from 15 F-16 to 8 C-130 The base requires a facility for air cargo preparation training aircraft. and administration of an aerial port squadron in support of C-130 aircraft. The facility must have cranes for movement of heavy loads, a parachute drying tower, parachute sewing, repair and storage areas. Space is also required for the storage of support equipment. CURRENT SITUATION: The fuel system maintenance hangar is sized for fighter aircraft. The two maintenance bays are too small for the C-130 and excess to the need. The aerial port training facility is required to be located adjacent to the aircraft apron, the maintenance bays lend themselves to aerial port functions with modifications. IMPACT IF NOT PROVIDED: Unable to train newly assigned aerial port personnel. Equipment exposed to the elements suffer accelerated deterioration. Aerial delivery loads will not be available to train combat crews. Reduced mission capability.

	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DA	2. DATE
NG		(computer generated)	
. INSTAL	LATIC	N AND LOCATION	
	_	AIRPORT ANG ILLINOIS	5. PROJECT NUMBER
. PROJEC	r TIT	LE.	5. PROJECT NUMBER
T.TER AER	TAT. F	ORT TRAINING FACILITY	JLQN939877
DIDK RUK		ON THURSTON THOUSAND	02007077
2. SUPP	LEMEN	TAL DATA:	
	• •	A Partie Pate	
a. Est	ımate	d Design Data:	
(1)	Sta	tus:	
	(a)	Date Design Started	94 APR 29
		Percent Complete as of Jan 95	40%
		Date 35% Designed	95 JAN 01
	(d)	Date Design Complete	95 JUL 01
/21	Bas	ia:	
(2)		Standard or Definitive Design -	NO
•		Where Design Was Most Recently Used -	N/A
	(/		,
(3)		al Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	40
		All Other Design Costs	16
		Total	56
		Contract In-house	56
	. (6)	In-nouse	
(4)	Con	struction Start	96 JUN
		•	
. Equip	nent	associated with this project will be provid	led from
		ations: N/A	
		•	

1. COMPONENT								_			2.	DATE
	F	Y 1996 MILIT	ARY CO	NSI	RUCI	CION	PRO	OJECT	DAT	A		
ANG		(0	ompute	rg	gener	ate	ed)					
3. INSTALLATI	ON ANI	LOCATION				4.	PRO	JECT :	CITLE	C		
						ALT	ER A	AIRCRA	AFT N	AINT	ENAN	ICE
GREATER PEORI						SHC						
5. PROGRAM EI	EMENT	6. CATEGORY	CODE	7.	PROJ	ECT	' NU	MBER	8. I	PROJE	CT C	OST (\$000
54332F		211-152			JLQN	1939	871				\$	1,450
		9	. cosi	ES	TIM	TES	<u> </u>					
										UNI	r	COST
		ITEM					U/M	QUAN'	_	COS	r	(\$000)
ALTER AIRCRAFT MAINTENANCE SHOPS					SF	36,3	300		35	1,271		
SUPPORTING FA	CILIT	IES										45
UTILITIES							LS					(45
SUBTOTAL						- 1						1,316
CONTINGENCY (•											66
TOTAL CONTRAC						- 1					l	1,382
SUPERVISION,		CTION AND OV	ERHEAL) (5	8)	[69
TOTAL REQUEST						- 1						1,451
TOTAL REQUEST	' (ROUI	NDED)									.]	1,450
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10. Description of Proposed Construction: Relocate interior walls, relocate and extend utilities, and provide fire protection. All utilities and support included.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 36,300 SF ADEQUATE: 0 SUBSTANDARD: 36,300 SF PROJECT: Alter Aircraft Maintenance Shops (New Mission).

REQUIREMENT: This project is required to support the conversion from 15 F-16 to 8 C-130 aircraft. Maintenance shops must be modified to accommodate changes in aircraft requirements. The shops are configured for F-16 equipment which is entirely different from that required for C-130 aircraft. This project will modify the weapons release and avionics shops to satisfy deficiencies in the general purpose and organizational maintenance shops. It will also alter general purpose shop space to allow the new support equipment to be installed.

CURRENT SITUATION: Aircraft maintenance shops are not properly sized or configured to provide adequate space for maintenance support to the C-130 aircraft. The weapons release shop function is no longer necessary for the C-130 aircraft. The avionics and engine shops are also different. The C-130 needs a propeller shop. This project will rearrange and reconfigure the shops for C-130 operations.

IMPACT IF NOT PROVIDED: Adequate maintenance cannot be provided for the C-130 aircraft. Degradation of operations; inefficient training and loss of training mandays; unit is unable to meet full operational capability. Aircraft may not be properly maintained.

ANG B. INSTAL	FY 1996 MILITARY CONSTRUCTION PROJECT D (computer generated) LATION AND LOCATION	PATA
REATER P	EORIA AIRPORT ANG ILLINOIS	
. PROJEC		5. PROJECT NUMBER
	DANIE WATERWAYER GUODE	JLQN939871
LTER AIR	CRAFT MAINTENANCE SHOPS	010N339011
l2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
(-,	(a) Date Design Started	94 APR 29
	(b) Percent Complete as of Jan 95	40%
	(c) Date 35% Designed	94 DEC 10
	(d) Date Design Complete	95 AUG 30
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = $(a) + (b)$ or $(d) + (e)$:	(\$000
	(a) Production of Plans and Specifications	72
	(b) All Other Design Costs	45
,	(c) Total	117 117
	(d) Contract (e) In-house	11/
	(6) 211 110400	· · · · · · · · · · · · · · · · · · ·
(4)	Construction Start	96 JUN
	ment associated with this project will be provi	ided from
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2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA ANG (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION ADD TO AIRCRAFT MAINTENANCE HANGAR GREATER PEORIA AIRPORT ANG ILLINOIS 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) \$1,200 54332F 211-173 JLON939872

9. COST ESTIMAT	ES		
		· UNIT	COST
ITEM	U/M QUAN	TITY COST	(\$000)
ADD TO AIRCRAFT MAINTENANCE HANGAR	SF 9,	000 105	945
SUPPORTING FACILITIES			155
UTILITIES	LS	· 1	(25)
PAVEMENTS	LS		(20)
SITE IMPROVEMENTS	LS		(10)
FIRE SUPPRESSION SYSTEM	LS		(100)
SUBTOTAL			1,100
CONTINGENCY (5%)		ŀ	55
TOTAL CONTRACT COST			1,155
SUPERVISION, INSPECTION AND OVERHEAD (5%)	1		58
TOTAL REQUEST			1,213
TOTAL REQUEST (ROUNDED)			1,200
		1	
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	1		
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- Description of Proposed Construction: Construct an addition to the maintenance hangar to fully enclose the aircraft. Provide all necessary utilities, pavements, site improvements, fire protection, and support. Upgrade hangar floor to permit aircraft jacking. Modify hangar floor drainage system.
- 11. REQUIREMENT: As required.

PROJECT: Add to Aircraft Maintenance Hangar (New Mission).

REQUIREMENT: This project supports the conversion from 15 F-16 to 8 C-130 aircraft. The unit requires a maintenance hangar which entirely encloses the C-130 aircraft to perform maintenance on the aircraft and its systems. CURRENT SITUATION: The base does not have a hangar that can accommodate the C-130 aircraft. The present hangar is sized for the F-16, a much smaller aircraft. The C-130 cannot fit inside. The proposed extension is sized to cover the tail assembly of the larger C-130. Additional modifications are needed to make the hangar functionally adequate to perform maintenance on the new aircraft. These include extending the fire suppression system, installing reinforced jacking points, and relocating the existing floor drainage system.

IMPACT IF NOT PROVIDED: Unable to perform aircraft maintenance in a controlled environment. Severely degraded mission support. Unable to properly convert to the C-130 aircraft. Aircraft maintenance is accomplished outside on the ramp even in times of inclement weather. Violation of safety rules and technical orders could result in an improperly maintained aircraft.

. COMPONE	ENT	TU 1006 NTI TINDU GOVERNOUS TO TO THE	1	. DATE
W.C.		FY 1996 MILITARY CONSTRUCTION PROJECT I	DATA	
NG	ATTO	(computer generated) N AND LOCATION		
. INSTALL	JATTO	N AND LOCATION		
REATER PE	ORIA	AIRPORT ANG ILLINOIS	•	
. PROJECT			5. PROJ	ECT NUMBER
DD TO AIR	RCRAF	T MAINTENANCE HANGAR	JLQN	939872
2. SUPPI	LEMEN	TAL DATA:		
a. Esti	Lmate	d Design Data:		
/11	Ch a	tus:		
(1)		Date Design Started		93 SEP 20
*		Percent Complete as of Jan 95		40%
		Date 35% Designed		94 DEC 10
		Date Design Complete		95 AUG 30
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· (2)	Bas			
	(a)	Standard or Definitive Design -		ИО
	(p)	Where Design Was Most Recently Used -		N/A
/2)	mot	al Cost (s) = (a) + (b) or (d) + (a):		(\$000
(3)		al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications		(\$000
		All Other Design Costs	•	25
		Total		75
		Contract	· · ·	75
	(e)	In-house	•	
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(4)	Con	struction Start		96 JUN
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. Equipm	nent	associated with this project will be provi	ided from	
ther appr	copri	ations: N/A		

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1. COMPONEN	•			2. DATE	
ANG	MILITARY CONSTR	RUCTION		4. AREA	CONCE
	TION AND LOCATION	·			INDEX
MCCONNELL A	IR FORCE BASE, KANSAS			0.	
E EDECHENC	Y AND TYPE OF UTILIZATION				
	hly assemblies per year, 15	davs annual f	ield trai	ning per	
	use by technician/AGR force			2 2	
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	TIVE/GUARD/RESERVE INSTALLAT				
1 Active Ai	r Force Installation, 3 Army	National Gua	rd Armori	es, 1 Ar	my
Reserve Cen	ter, 1 Navy Reserve and 1 Ma	arine Corps Re	serve		
		711 1006			
	REQUESTED IN THIS PROGRAM:	FY 1996	COST	DESIGN	פוזידערים
CATEGORY		SCOPF	(\$000)	START	CMPL
CODE	PROJECT TITLE	SCOPE	(\$000)	GIANI	OMI II
1.41=753 AT.	TER B-1 SQUADRON OPERATIONS	47,100 SF	800	SEP 93	JUN 9
	ACILITY	.,,			
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		DECOMPAND A	·	•	•
	SERVE FORCES FACILITIES BOAD	RD RECOMMENDAT	ION	₫5 APR	94
	SERVE FORCES FACILITIES BOAD	RD RECOMMENDAT	ION	#5 APR	
Unila	teral Construction Approved	RD RECOMMENDAT	ION	#5 APR	
Unila					e)
Unila 9. LAND ACQ	teral Construction Approved	None		(Dat	e)
Unila 9. LAND ACQ	teral Construction Approved	None		(Dat	e)
Unila 9. LAND ACQ 10. PROJECT	teral Construction Approved	None	(N	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
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Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
Unila 9. LAND ACQ 10. PROJECT CATEGORY CODE 211-179 B-	teral Construction Approved UISITION REQUIRED S PLANNED IN NEXT FOUR YEARS PROJECT TITLE 1 FUEL SYSTEMS MAINTENANCE	None S SCOPE	COST (\$000)	(Dat	e)
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1. COMPONENT			GUARD AND			2. DA	TE
ANG 3. INSTALLATION	ON AND		ARY CONSTR	OCTION			
MCCONNELL AIR			SAS	-			
11. PERSONNEL	STRENG	TH AS OF	16 AUG 94	 			
		PER	MANENT			GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTE
AUTHORIZED	782	84	674	24	1,416		1,247
ACTUAL	755	67	666	22	1,370	130	1,240
	184 184 184 184 184	LG HQ GP MRD SQ DET 1	TOTALS	119 283 722 49 73 47 123 1,416		93 233 790 37 60 42 115 1,370	
+ #r					, **	<i>:</i>	

13.	MAJOR	EOUIPMENT	AND	AIRCRAFT	

TYPE	AUTHORIZED	ASSIGNED
B-1B Aircraft	10	3
Support Equipment	565	426
Vehicle Equivalents	490	545

1. COMPONENT							2. DATE
	FY 1	996 MILITA	ARY CO	ONSTRUC!	TION PROJECT	DATA	
ANG		(00	mpute	er gene	rated)		
3. INSTALLAT	ION AND I	OCATION			4. PROJECT	TITLE	
	ALTER B-1 SQUADRON O						PERATIONS
MCCONNELL AIR	R FORCE E	BASE KANSAS	3		FACILITY		
5. PROGRAM EI	LEMENT 6.	CATEGORY	CODE	7. PRO	JECT NUMBER	8. PROJEC	CT COST(\$000)
51628F		141-753		PRQI	3929911		\$800
		9	നവ	P ROTTM	ATES		

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER B-1 SQUADRON OPERATIONS FACILITY	SF	47,100	12	565 160°
SUPPORTING FACILITIES PRE-WIRED WORK STATIONS	LS			(115)
EMERGENCY BACKUP POWER	LS			(<u>45</u>)
SUBTOTAL				725
CONTINGENCY (5%) TOTAL CONTRACT COST				<u>36</u> 761
SUPERVISION, INSPECTION AND OVERHEAD (5%)				38
TOTAL REQUEST				799
TOTAL REQUEST (ROUNDED)				800
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- 10. Description of Proposed Construction: Relocate walls and utilities. Install a secure storage vault with reinforced concrete walls and ceiling. Install emergency power. Upgrade the heating, ventilation, and air conditioning system. Improve fire detection system.

 Air Conditioning: 60 Tons.
- 11. REQUIREMENT: 47,100 SF ADEQUATE: 0 SUBSTANDARD: 47,100 SF PROJECT: Alter B-1 Squadron Operations Facility (New Mission).

 REQUIREMENT: This project supports the conversion from F-16 to the B-1 aircraft. The base requires a properly configured and secure area to perform the new mission. Adequate climate control is required throughout the facility. Emergency back-up electrical power is required to insure that critical items in the combat training area remain operational when commercial power to the facility fails.

CURRENT SITUATION: The squadron operations space is not properly configured for full-time and part-time B-1 flight crews. The facility is configured to support the training of a single seat F-16 fighter aircraft. There are no secure working and storage areas for the mission areas. Some of the rooms are too large while others are too small. There are insufficient crew briefing rooms. The building does not have emergency back-up power. The building does not have a classified storage area in which to train and to store operational data such as charts, maps, and computer tapes. The climate control system does not function well and is not adequate for the new room configuration and equipment and personnel.

IMPACT IF NOT PROVIDED: Unable to properly train the aircrews for the new B-1 mission. Possible compromise of security. Unable to achieve full operational capability. Decrease in readiness. The crews will receive insufficient training and that will place them at risk.

1. COMPONI	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
MG	(computer generated)	
. INSTALI	ATION AND LOCATION	
PROJECT	AIR FORCE BASE KANSAS	
PROJECT	TITLE 5.	PROJECT NUMBER
LTER B-1	SQUADRON OPERATIONS FACILITY	PRQE929911
•		
.2. SUPPI	EMENTAL DATA:	
a. Esti	mated Design Data:	
(1)	Status:	
•	(a) Date Design Started	93 SEP 20
	(b) Percent Complete as of Jan 95	40%
	(c) Date 35% Designed	94 DEC 01
•	(d) Date Design Complete	95 JUN 15
· (2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost $(c) = (a) + (b)$ or $(d) + (e)$:	(\$000
	(a) Production of Plans and Specifications	36
	(b) All Other Design Costs	27
	(c) Total	63
	(d) Contract	63
	(e) In-house	
(4)	Construction Start	96 MAY
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. Equipm	ent associated with this project will be provided	· From
7	opriations: N/A	LFOM
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BARNES MU	NICIPAL	AIRPORT A	NG MASS	ACHUSETT	S				T INDEX
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		ng Assembl							d ber
year, dai	.ly use I	by civil s	ervice 1	technici	an, Activ	7e G	uard/Res	erve	
		ooperative			eur embro	yee	s, 24 nc	our cove	rage
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ase, 1 N	lavy Res	erve and 1	. Marine	Reserve					
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. PROJEC	TS REQUI	ESTED IN T	HIS PRO	GRAM: F	Y 1996				
CATEGORY	-						COST	DESIGN	STATUS
CODE		PROJECT T	ITLE	•	SCOPE		(\$000)	START	CMPL
14-425	VEHICLE	MAINTENAN	ICE COMP	LEX	14,700	SF	2,000	AUG 93	AUG 9
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3. STATE	RESERVE	FORCES FA	CILÍTIE	s BOARD	RECOMMENI	DATI	ON	· · ·	:
		FORCES FA			RECOMMENI	DATI	ON	30 AU	IG 94
					RECOMMENI	DATI	ON		IG 94
Uni	lateral		ion App	roved	RECOMMENI one	DATI		(Da	ite)
Uni	lateral	Construct	cion App	roved N		DATI			ite)
Uni	lateral	Construct	cion App	roved N		OATI	1)	(Da	ite)
Uni D. LAND A	lateral	Construct	cion App	roved N	one	DATI	COST	(Da	ite)
Uni 9. LAND A	lateral	Construct	RED	roved N		OATI	1)	(Da	ite)
Uni D. LAND A D. PROJE CATEGORY CODE	ACQUISIT	Construct ION REQUIR NNED IN NE	RED EXT FOUR	roved N	one SCOPE		COST (\$000)	(Da	ite)
Uni D. LAND A LO. PROJE CATEGORY CODE 442-758	ACQUISIT ECTS PLA	Construct ION REQUIR NNED IN NE PROJECT I	RED EXT FOUR	roved N	one <u>SCOPE</u> 30,000	SF	COST (\$000)	(Da	ite)
Uni D. LAND A 10. PROJE CATEGORY CODE 442-758 722-351	ACQUISIT ECTS PLAN BASE SU	Construct ION REQUIR NNED IN NE PROJECT I PPLY COMPL HALL	EION App	roved N YEARS	one SCOPE	SF	COST (\$000) 4,400 2,800	(Da	ite)
Uni D. LAND A 10. PROJE CATEGORY CODE 442-758 722-351	ACQUISIT ECTS PLAN BASE SU	Construct ION REQUIR NNED IN NE PROJECT I PPLY COMPL HALL HEATING D	EION App	roved N YEARS	one <u>SCOPE</u> 30,000	SF	COST (\$000)	(Da	ite)
Uni 9. LAND A 10. PROJE CATEGORY CODE 442-758 722-351 321-116	BASE SUDINING DUPGRADE SYSTEM	Construct ION REQUIR NNED IN NE PROJECT I PPLY COMPL HALL HEATING D	EXT FOUR TITLE LEX DISTRIBU	YEARS TION	one <u>SCOPE</u> 30,000	SF	COST (\$000) 4,400 2,800	(Da	ite)
Uni 9. LAND A 10. PROJE CATEGORY CODE 442-758 722-351 321-116	BASE SUDINING UPGRADE SYSTEM UPGRADE	Construct ION REQUIR NNED IN NE PROJECT T PPLY COMPI HALL HEATING E	RED EXT FOUR TITLE LEX DISTRIBU	YEARS TION YSTEM	one <u>SCOPE</u> 30,000	SF SF LS	COST (\$000) 4,400 2,800 740	(Da	ite)
Uni D. LAND A LO. PROJE CATEGORY CODE 142-758 722-351 321-116	BASE SUDINING UPGRADE SYSTEM UPGRADE	Construct ION REQUIR NNED IN NE PROJECT I PPLY COMPL HALL HEATING D	RED EXT FOUR TITLE LEX DISTRIBU	YEARS TION YSTEM	one <u>SCOPE</u> 30,000	SF SF LS	COST (\$000) 4,400 2,800 740	(Da	ite)
Uni D. LAND A LO. PROJE CATEGORY CODE 142-758 722-351 321-116	BASE SUDINING UPGRADE SYSTEM UPGRADE	Construct ION REQUIR NNED IN NE PROJECT T PPLY COMPI HALL HEATING E	RED EXT FOUR TITLE LEX DISTRIBU	YEARS TION YSTEM	one <u>SCOPE</u> 30,000	SF SF LS	COST (\$000) 4,400 2,800 740	(Da	ite)

-	1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
	ANG	MILITARY CONSTRUCTION	
•	0	N AND TOCHTON	

3. INSTALLATION AND LOCATION
BARNES MUNICIPAL AIRPORT ANG MASSACHUSETTS

11. PERSONNEL STRENGTH AS OF 10 AUG 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	292	7	62	223	1,036	108	928
ACTUAL	283	7	62	214	1,008	101	907 .

12. RESERVE UNIT DATA

			STRENGTH			
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL		
104	TFG HQ		49	52		
131	TFS		41	38		
104	MNT SQ		399	388		
104	LOG SQ		141	139		
104	MED SQ		70	62		
104	CES		145	147		
104	MWRS		25 .	31		
104	SPS		57 .	58		
104	CMN SQ		40	41		
104	OPS GP		9	4		
104	LOG GP		18	15		
131	WEA FT	•	13	11		
104	SPT GP		5	6		
104	OSF	:	24	. 16		
		TOTALS	1,036	1,008		
			•	,		

TYPE	AUTHORIZED	ASSIGNED
A-10 Aircraft	18	21
Support Equipment	83	74
Vehicle Equivalents	232	232

Τ	1. COMPONENT				•			2. DATE
ı		FY	7 1996 MI	LITARY C	ONSTRUC	TION PROJECT	DATA	
1.	ANG ·			(comput	er gene:	rated)		
T	3. INSTALLAT	ION AND	LOCATIO	NI .		4. PROJECT	TITLE	
	BARNES MUNIC	IPAL AI	RPORT AN	3				
	MASSACHUSETTS	S				VEHICLE MAIN	NTENANCE	COMPLEX
Τ	5. PROGRAM EI	EMENT	6. CATEG	DRY CODE	7. PRO	TECT NUMBER	8. PROJE	CT COST(SOOO)

55296F 214-425 AXQD899748 \$2,000

9. COST ESTIMATES

J. CODI EDITRIA				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
VEHICLE MAINTENANCE COMPLEX	SF	14,700		1,453
VEHICLE MAINTENANCE SHOP	SF	9,200	115	. (1,058)
COVERED STORAGE	SF	4,000	50	(200)
REFUELER VEHICLE SHOP	SF	1,500	130	(195)
SUPPORTING FACILITIES				367
UTILITIES	LS			(80)
PAVEMENTS AND SITE IMPROVEMENTS	LS			(100)
RELOCATE BUILDING 32	SF	4,350	13	(57)
RELOCATE VEHICLE REFUELING STATION	LS			(100)
PRE-WIRED WORK STATIONS	LS			(30)
SUBTOTAL				1,820
CONTINGENCY (5%)				91
TOTAL CONTRACT COST				1,911
SUPERVISION, INSPECTION AND OVERHEAD (5%)				96
TOTAL REQUEST		}	,	2,007
TOTAL REQUEST (ROUNDED)				2,000
				•
	- 1			1

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Steel framed masonry walls and roof structure. Includes pavements, utilities, and site improvements. Relocate pre-engineered metal building for vehicle storage.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 14,700 SF ADEQUATE: 0 SUBSTANDARD: 6,186 SF PROJECT: Vehicle Maintenance Complex (Current Mission).

REQUIREMENT: The base requires a properly sized and adequately configured vehicle maintenance complex to include administrative offices, shops, bench stock, tool room, and storage to perform periodic inspections, repairs, and maintenance to the base vehicle fleet and special purpose vehicles and equipment, such as snow plows and refuelers. Facilities require compliance with health and safety codes and standards for hazardous work areas for handling fuel system and batteries and environmental regulations for the storage and disposal of lubricants, oils, batteries, and acids. Hydraulic lifts are required for regular and special purpose vehicles. An enclosed heated space is required to wash vehicles in severe cold weather and to store vehicles from inclement weather.

CURRENT SITUATION: The facilities are grossly undersized. There is no vehicle washing area or a bay to service snow plows or fire fighting equipment. The building electrical system does not comply with hazardous criteria required by the National Electrical Code. Some areas that require explosion proof fixtures do not have them. Large vehicles, such as the refueler, snowplows, and fire trucks cannot fit in the maintenance bays. These must be maintained in a parking area outside, including winter weather conditions. Vehicle administration is located in building

	1. COMPONENT		2. DA	TE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA (computer generated)	MA		
•	3. INSTALLATION AND LOCATION BARNES MUNICIPAL AIRPORT ANG MASSACHUSETTS			
•	4. PROJECT TITLE	5.	PROJECT	NUMBER
	VEHICLE MAINTENANCE COMPLEX		AXQD8997	48

4. This is an ex-fire station facility now into forced use as temporary space. There is no covered storage for vehicles. Building 32 used for inert munitions storage will be relocated to provide vehicle storage. This is a structurally sound pre-engineered metal building that can be relocated and converted to vehicle storage. Upon completion of this project the following will be demolished: Building 4 at 2,580 SF; building 5 at 300 SF; and building 6 at 3,306 SF for a total of 6,186 SF. IMPACT IF NOT PROVIDED: Unable to comply with health and safety codes. The level of personnel training continues uncoordinated and piecemeal without sufficient space to support the daily requirements. Refueler maintenance is accomplished outside in a parking lot in violation of safety and environmental codes. Lack of adequate facilities affects morale, recruiting, and operational readiness. Unit is unable to provide a reasonable level of maintenance to special equipment required for fire fighting and snow plowing of the airfield and roads. Improperly maintained vehicles breakdown often and cost more to operate. ADDITIONAL: A life cycle economic analysis has been prepared comparing all reasonable options for accomplishing this project. The analysis indicates that new construction is the most economical alternative.

AXQD8 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed	93 AUG 16 100% 94 MAR 30 94 AUG 29
### PROJECT TITLE #### PROJECT TITLE ###################################	93 AUG 16 100% 94 MAR 30 94 AUG 29
ZEHICLE MAINTENANCE COMPLEX AXQD8 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start	93 AUG 16 100% 94 MAR 30 94 AUG 29
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start	93 AUG 16 100% 94 MAR 30 94 AUG 29 NO
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start	100% 94 MAR 30 94 AUG 29
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start	100% 94 MAR 30 94 AUG 29
<pre>(1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start</pre>	100% 94 MAR 30 94 AUG 29
 (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 5. Equipment associated with this project will be provided from	100% 94 MAR 30 94 AUG 29
(b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start	100% 94 MAR 30 94 AUG 29
(c) Date 35% Designed (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start	94 MAR 30 94 AUG 29
(d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start	94 AUG 29
<pre>(2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start</pre> c. Equipment associated with this project will be provided from	NO
 (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from 	
 (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from 	
<pre>(3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start</pre> c. Equipment associated with this project will be provided from	AT / 74
 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 	N/A
 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 	(\$000
(b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	100
(c) Total (d) Contract (e) In-house (4) Construction Start c. Equipment associated with this project will be provided from	60
(e) In-house (4) Construction Start 2. Equipment associated with this project will be provided from	160
(4) Construction Start o. Equipment associated with this project will be provided from	160
o. Equipment associated with this project will be provided from	•
o. Equipment associated with this project will be provided from	96 APR
other appropriations: N/A	•
•	
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•	
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1. COMPONENT	1	FY 1996	GUARD AND	RESERVE		2. DA	TE
ANG			ARY CONSTR				
3. INSTALLATI							
ORCESTER ANG	STATIO	n Massach	USETTS				
11. PERSONNEL	STRENG	TH AS OF	10 AUG 94				
			MANENT			GUARD/RES	
	TOTAL	OFFICER	ENLISTED	CIVILIAN		OFFICER	ENLISTE
AUTHORIZED	64	0	12 9	52 49	394 388	38 37	356 351
ACTUAL	58 .	U	9	49	300	37	331
12. RESERVE U	NIT DAT	A					
					RENGTH		
	UNIT DE	SIGNATION	•	AUTHORIZEI	2	ACTUAL	
	101	TCS SQ		244		230	
	212	_		150	•	158	
			TOTALS	394		388	
,		• • • • • • • • • • • • • • • • • • • •		•			
		•	:	•			
		٠					
				•			•
13. MAJOR EQU	IPMENT	AND AIRCE	RAFT				********
	YPE			AUTHORIZE	D	ASSIGNED	
<u>-</u>					_		
Support Equip				121		105	

. COMPONENT	T		GUARD AND			2. DAT	CE
ANG			ARY CONSTR	UCTION			
. INSTALLAT							
ELFRIDGE AN	G BASE,	MICHIGAN					
1. PERSONNE	L STRENG	TH AS OF	8 JUL 94				
						avann /nea	anua
			MANENT			GUARD/RESE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN 538	TOTAL	OFFICER 228	1,57
AUTHORIZED	1,104	39	527	516	1,805 1,682		
ACTUAL	1,114	37	561	210	1,002	100	1,40
2. RESERVE	UNIT DAT	'A	***				
				SI	RENGTH		
	UNIT DE	SIGNATION		AUTHORIZED	2	ACTUAL	
	107	ende		27		24	
	127 107	SVCS TFS		42		39	
	107	CAMS		447		390	
	127			. 42		34	
•	127			74		61	
	127			49		46	
•	127			35		29	
	. 127			57		55	
	127			26		26	
	127	RMS		107		98	
	107	WX FLT		19		19	
	191	svcs		34		25 .	
	171	FIS		95		90, '	
	191	MSS	•	33		34	
	191	CAM		208		255	
	191			46		37	
	191			55		49	
	191	CES		141		123	
	191	SPF		57		55 96	
	191	RMS		107 39		35	
	191 191	COMMS SPTG		41		38	
	191	SPTG		24		24	
	127	SFIG	TOTALS	1,805		1,682	
.3. MAJOR EQ	UIPMENT	AND ATROR	AFT				
	TYPE			AUTHORIZEI	2	ASSIGNED	
-16A/B Airc	raft			15		18	
C-26B Aircra				1		1	
C-130E				8		3	
Support Equi	pment			209		201	
	valents			902		839	

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA

ANG

(computer generated)

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

SELFRIDGE ANG BASE MICHIGAN

UPGRADE HEATING SYSTEMS

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

VGLZ929902

9. COST ESTIMATES

821-116

9. COST ESTIMATE	S		
ITEM	U/M QUANTITY	UNIT	COST (\$000)
UPGRADE HEATING SYSTEMS SUPPORTING FACILITIES UTILITIES PAVEMENTS SITE IMPROVEMENTS SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	LS LS LS		2,217 430 (250) (120) (60) 2,647 132 2,779 139 2,918 2,900

- 10. Description of Proposed Construction: The shutdown of the existing steam distribution system serving the remaining ten buildings on the east side of the base requires the installation of packaged heating systems. These will be grouped to most efficiently serve the affected buildings. Provide all utilities, pavements, site improvements, and support.
- 11. REQUIREMENT: As required.

55256F

PROJECT: Upgrade Heating Systems (Current Mission).

REQUIREMENT: This is a Level I environmental compliance project. State inspectors have determined that stack emissions exceed the regulatory level of 20% opacity. The base requires adequate heating systems which are economical to maintain, operate and do not pollute the air and ground water. Buildings 117, 118, 120, 124, 126, 127, 128, 129, 130, and 140 require packaged heating units.

CURRENT SITUATION: The base has a coal fired central heating plant which is antiquated and does not meet current and pending air quality emission standards. The central plant serves ten buildings through a system of approximately six miles of underground and above ground high temperature hot water lines. The central plant has old boilers which do not meet required emission control technology and are uneconomical to operate. The plant emissions do not meet federal and state air quality standards. There are numerous health and safety violations. The lines serving the buildings are old, poorly insulated, and need to be replaced. There are numerous leaks and substantial loss of energy through those leaks. The pipes have asbestos insulation. The electrical connections are old and corroded. Rain water runoff from the coal storage piles cause pollution of the groundwater. It is uneconomical to upgrade the heating plant to meet air quality standards. The base is in a non-attainment area for

\$2,900

	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	1	2. DATE
ANG		(computer generated)		
3. INSTAL	LATIO	N AND LOCATION		
ini natade	7 7 NC 1	BASE MICHIGAN		
. PROJEC			5. PRO	JECT NUMBER
r. INCODE	,1 1111			
JPGRADE H	HEATING	G SYSTEMS	VGL	Z929902
L2. SUPP	LEMEN'	TAL DATA:		
a. Est	:imate	d Design Data:		
(1)	Stat			
		Date Design Started		93 APR 14
		Percent Complete as of Jan 95		359 94 DEC 15
		Date 35% Designed Date Design Complete		94 DEC 1:
	(ω)	neer neardu aomhtere		22 00H 31
(2)	Bas	is:		
, ,	(a)	Standard or Definitive Design -		NO
	(p)	Where Design Was Most Recently Used -		N/A
(3)	Tota	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
(3)		Production of Plans and Specifications		14!
		All Other Design Costs		50
		Total .		19!
		Contract		199
	(e)	In-house	. `	
(4)	Con	struction Start		96 API
		•		
. Equip	oment a	associated with this project will be provide	ed from	
		ations: N/A		
		•		
		•		

1. COMPONENT	FY 1996 GUARD AND	RESERVE		2. DATE	
ANG	MILITARY CONSTRU	CTION			
3. INSTALLATION					CONSTR
MINNEAPOLIS ST	PAUL INT'L APT, MINNESOTA	L			INDEX
				1.	.37
Twelve monthly year, daily use	D TYPE OF UTILIZATION assemblies per year, 15 d by technician/AGR force, ew members, and for other	four nights	ield trai per week	ning per	: ght
5 Army National Facilities, 1 N Coast Guard Res	/GUARD/RESERVE INSTALLATI Guard Armories, 1 Air Fo aval Reserve Facility, 1 erve Facility, 1 Marine C n Station, 1 Naval Air Re	orce Reserve Naval Commun Corps Reserve	Base, 2 A lications Facility	rmy Rese Facility	, 1
	UESTED IN THIS PROGRAM:	FY 1996	COST	DESTON	CTA TITE
CATEGORY CODE	PROJECT TITLE	SCOPE	(\$000)	DESIGN	CMPL
	FT DEICING FACILITY E HEATING SYSTEM	Ls Ls			
	E FORCES FACILITIES BOARD	RECOMMENDAT	CION	31 AUG	
9. LAND ACQUISI	TION REQUIRED	None	4.53		
10. PROJECTS PL	ANNED IN NEXT FOUR YEARS		(1)	lumber of	Acres
			COST		
CATEGORY CODE	PROJECT TITLE	SCOPE	(\$000)		
CATEGORY <u>CODE</u> 214-467 UPGRAD	PROJECT TITLE E REFUELING VEHICLE SHOP EHICLE WASHING FACILITY				
CATEGORY <u>CODE</u> 214-467 UPGRAD	E REFUELING VEHICLE SHOP				
CATEGORY <u>CODE</u> 214-467 UPGRAD	E REFUELING VEHICLE SHOP				
CATEGORY <u>CODE</u> 214-467 UPGRAD	E REFUELING VEHICLE SHOP				
CATEGORY <u>CODE</u> 214-467 UPGRAD	E REFUELING VEHICLE SHOP				
CATEGORY <u>CODE</u> 214-467 UPGRAD	E REFUELING VEHICLE SHOP				

1. COMPONENT	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION	ON AND LOCATION	
MINNEAPOLIS S	PAUL INT'L APT, MINNESOTA	

11. PERSONNEL STRENGTH AS OF 16 AUG 94

		PER	MANENT			GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	321	37	247	37	1,369	222	1,147
ACTUAL	311	37	240	34	1,360	216	1,144

12. RESERVE UNIT DATA

			STRE	NGTH
UNIT DES	SIGNATIO	<u>ON</u>	AUTHORIZED	ACTUAL
133	SVF		43	36
133	OPS GP		6	6
133	LOG GP		7 .	. 8
133	SUP GP		5	5
133	OPS FT		20	19
133	ALCNFT		14	12
133	AW		51	47
109	AS		95	98
133	MNT SQ		183	176
133	MSF		34	34
133	MS		73	62
109	AES		131	137
133	COM FT	•	37	37
237	ATCF		68	58
208	WEA FT		25	25
133	CES		112	144
133	APS		101	91
133	SPS	•	. 57	53
133	LOG SQ		107	101
210	EIS		38	35
HQ	MNANG		162	138
1833	STU FT		0	38
		TOTALS	1,369	1,360

TYPE	AUTHORIZED	ASSIGNED
C-130E Aircraft	8	8
Support Equipment	169	161
Vehicle Equivalents	452	489

1. COMPONENT										2.	DATE
	F	1996 MILITARY	CONS	TRUC	CION	PRO	JECT	DATA	.		
ANG		(compu	iter	genei							
3. INSTALLATI	ON ANI	LOCATION			4.	PRO	JECT !	TITLE	E		
				_						•••	
		INT'L APT MINN			_		HEA!			_	10.0m / 0000
5. PROGRAM EL	EMENT	6. CATEGORY COL)E /.	PRO	ECI	. NUI	ABEK	8. 1	ROJEC	rr C	:0ST (\$000
550568		821-115		QJKI	040	1506					\$780
55256F								L			\$700
		9. 00	JOT E	STIM	1162	·			UNIO		COST
		ITEM			- 1	11 /W	QUAN	ידייע	COST		(\$000)
PGRADE HEATI	NC CV					LS	QUAN.		CO31	\vdash	600
SUPPORTING FA						10					110
ASBESTOS RE						LS				- 1	(85
		& UTILITIES				LS					(25
SUBTOTAL											710
CONTINGENCY (5%)										36
TOTAL CONTRAC	T COST	r `									746
SUPERVISION,	INSPE	CTION AND OVERH	EAD (5%)							37
TOTAL REQUEST											783
TOTAL REQUEST	(ROUI	NDED)									780
		•									
							,				
		•		. *							
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- 10. Description of Proposed Construction: Shutdown of the existing steam boiler and distribution system will require replacement with a new hydronic heating system, peripherals, and a distribution system. Provide asbestos removal, site restoration, and utilities.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade Heating System (Current Mission).

REQUIREMENT: This is a Level II environmental compliance requirement. This project will provide a heating system which is energy efficient and meets applicable clean air requirements mandated by the Clean Air Act Amendment of 1990. Buildings 684 and 686 require packaged heating units. CURRENT SITUATION: The base has a central heating plant which serves four buildings through an underground steam distribution system. boilers do not meet federal and state air quality emission standards. There are numerous health and safety violations, including friable asbestos insulation. The lines serving the buildings are old, corroded, poorly insulated, and need to be replaced. There are numerous leaks and substantial losses of energy through these leaks. These leaks also allow the chemically treated boiler water to enter the ground. The electrical connections are old and unsafe. It is uneconomical to upgrade the heating plant to meet air quality standards. The plant must be operated thoughout the year to allow the production of hot water to the various buildings. This project will provide smaller, energy efficient heating units that will meet air emission standards and will be more economical to operate and maintain. The base is in a non-attainment area for Oxides. IMPACT IF NOT PROVIDED: Violation of state and federal air and ground water environmental laws. Large energy losses. Health and safety hazards. Higher operating costs.

1. COMPON	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	
3. INSTAL	LATION AND LOCATION	
ITNNEAPOL	IS ST PAUL INT'L APT MINNESOTA	
4. PROJEC		. PROJECT NUMBER
JPGRADE H	EATING SYSTEM	QJKL949506
L2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
•	(a) Date Design Started	94 MAR 18
	(b) Percent Complete as of Jan 95	95%
	(c) Date 35% Designed	94 JUL 14 95 FEB 15
	(d) Date Design Complete	22 LED 12
(2)	Basis:	
, ,	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
/31	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(3)	(a) Production of Plans and Specifications	36
	(b) All Other Design Costs	20
	(c) Total	56
**	(d) Contract	56
·	(e) In-house	
(4)	Construction Start	96 APR
(- /		
. Emir	ment associated with this project will be provided	from
	ropriations: N/A	
••	•	
•		

1. COMPON	ENT	FY 1996 GUARD AN				2. DATE	
ANG		MILITARY CONST	RUCTION			4 3 7 7 7 3	CONCE
		AND LOCATION TERNATIONAL AIRPORT, N	EW JERSEY		·		INDEX
						, 1.	20
		TYPE OF UTILIZATION	h 15 daga (1 61614	+inin	a nor
		ng Assemblies per mont				trainin	ig per
rear, dai	.ly use	by technician/AGR forc	e and for the	raini	.ng.		
				- 40			
	•	GUARD/RESERVE INSTALLA					
2 Army Na	itional	Guard Armories, 1 Coas	t Guard Trai	ruruç	center		
7. PROJEC	TS REQU	ESTED IN THIS PROGRAM:	FY 1996				
CATEGORY					COST	DESIGN	STATUS
CODE		PROJECT TITLE	SCOPE		(\$000)	START	CMPL
					•		
340-000	UPGRADE	SANITARY AND		LS	650	APR 94	MAY 9
	WATER	SYSTEMS					
					•		
•							
			•		•		
R. STATE	RESERVE	FORCES FACILITIES BOA	RD RECOMMENI	DATIC	ON		
		Construction Approved				15 NOV	93*
			•			(Dat	.e)
T.AND 2	COULSIT	ION REQUIRED	None	-		,	
J. DAMD F	10201011				/ 33	lumber of	Acres
					(1/	dimer of	
10. PROJE		NNED IN NEXT FOUR YEAR	tS.			umber of	
10. PROJE		•			COST	umber of	
10. PROJE		NNED IN NEXT FOUR YEAR PROJECT TITLE	SCOPE			dinser of	
10. PROJE CATEGORY CODE	ECTS PLA	PROJECT TITLE	SCOPE	Q.F.	COST (\$000)	unibel of	
10. PROJE	ECTS PLA	PROJECT TITLE MUNICATION AND SECURIT	SCOPE	SF	COST	umser or	
10. PROJE CATEGORY CODE 171-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)	umser or	
CODE 171-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT	SCOPE		COST (\$000)	umser or	
CODE 171-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)	uniser of	
CODE 171-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)	diffee of	
CODE 171-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)	amser of	
LO. PROJE CATEGORY CODE L71-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)	diffee of	
10. PROJE CATEGORY CODE 171-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)	diffee of	
10. PROJE CATEGORY CODE 171-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)	diffee of	
10. PROJE CATEGORY CODE	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)		
10. PROJE CATEGORY CODE 171-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)		
LO. PROJE CATEGORY CODE L71-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)		
LO. PROJE CATEGORY CODE L71-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)		
LO. PROJE CATEGORY CODE L71-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)		
LO. PROJE CATEGORY CODE L71-447	TELECOM	PROJECT TITLE MUNICATION AND SECURIT FACILITY	<u>SCOPE</u> 13,000		COST (\$000)		

2. DATE FY 1996 GUARD AND RESERVE 1. COMPONENT ANG MILITARY CONSTRUCTION

3. INSTALLATION AND LOCATION

ATLANTIC CITY INTERNATIONAL AIRPORT, NEW JERSEY

11. PERSONNEL STRENGTH AS OF 30 JUN 94

	PERMANENT				GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	337	4	50	283	1,037	104	933
ACTUAL	337	4	50	283	995	100	895

12. RESERVE UNIT DATA

			STRENGTH			
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL		
177	FG		74	65		
119	FS		38	39		
177	MSQ		385	356		
177	LSQ		107	99		
177	COM		43	41		
177	MSS FT		34	32		
177	CES		140	155		
177	SPS		85	88		
177	MED SQ	•	55	52		
177	SVF		30	25		
177	OPS GP		3	2		
177	LGS GP		16	: 15		
.177	SPT GP		· 5	5		
177	OPS FT		22	21		
		TOTALS	1,037	995		

TYPE	AUTHORIZED	ASSIGNED
-16 Aircraft	15	23
(Converting to C Model 95/2)	0	0
upport Equipment	115	103
ehicle Equivalents	267	293
	-16 Aircraft (Converting to C Model 95/2) upport Equipment	-16 Aircraft 15 (Converting to C Model 95/2) 0 upport Equipment 115

1. COMPONENT	2. DATE
FY 1996 MILITARY CO	NSTRUCTION PROJECT DATA
ANG (compute	r generated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ATLANTIC CITY INTERNATIONAL AIRPORT	UPGRADE SANITARY AND
NEW JERSEY	WATER SYSTEMS

8. PROJECT COST(\$000) 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER \$650 840-000 AQRC949677

9. COST ESTIMATES

J. CODI EDITIBILI	10			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE SANITARY AND WATER SYSTEMS	LS			540
EXTEND WATER LINES	LS			(300)
EXTEND SANITARY SEWER LINES	LS		•	(100)
CONSTRUCT COVERED VEHICLE WASHRACK	LS			(140)
SUPPORTING FACILITIES				50
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(_40)
SUBTOTAL				590
CONTINGENCY (5%)	1	ŀ		30
TOTAL CONTRACT COST				620
SUPERVISION, INSPECTION AND OVERHEAD (5%)				31
TOTAL REQUEST	1		•	651
TOTAL REQUEST (ROUNDED)				650
. •	1 .			
	1			

- 10. Description of Proposed Construction: Install 3,200 LF of potable water lines. Install 8,000 LF of sanitary sewer system. Construct a covered vehicle washrack area. Provide pavements and site improvements.
- 11. REQUIREMENT: As required.

55256F

PROJECT: Upgrade Potable Water and Sanitary Sewer System (Current Mission).

REQUIREMENT: This is a Level I environmental requirement. The base requires environmentally safe drinking water and sanitary sewer systems to comply with 57 FR 31776, which is promulgating maximum contaminant level goals and national drinking water regulations for organic and inorganic chemicals, the State of New Jersey 7.10 Safe Drinking Water Act, and the State of New Jersey 7.9A Standards for Individual Subsurface Sewage Disposal Systems.

CURRENT SITUATION: The munitions storage and the F-16 alert areas are not contiguous to the main base and have inadequate drinking water and sewer systems. They have six septic tanks to dispose of the sewage while the rest of the base is connected to the city sanitary treatment plant. The septic tanks are old and do not work properly. There have been frequent repairs and malfunctions. Temporary facilities have had to be used frequently until the system can be made to work again. This project will connect the area to the rest of the base and the septic tanks can be removed. The areas also have their own water wells. Water quality fluctuates and frequently does not meet state drinking water quality standards. The well water is treated but this is insufficient to remove the impurities. Tests show high copper content in some of the buildings. This project proposes the connection of the water line to the nearby Federal Aviation Administration system which has a water treatment plant.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJ	ECT DATA	
ANG	(computer generated)		
	ON AND LOCATION INTERNATIONAL AIRPORT NEW JERSEY		
4. PROJECT T		5. I	PROJECT NUMBER
UPGRADE SANI	TARY AND WATER SYSTEMS	I	AQRC949677

The base also does not have an area for performing corrosion control on oversized vehicles. The work is being done in parking lots and inside hangars. Vehicle wash water containing detergent and grease/oils is not being properly contained and treated.

IMPACT IF NOT PROVIDED: Unable to comply with federal and state clean water environmental requirements. Unable to comply with state drinking water and sewage disposal standards. The state may fine the base. The Air National Guard could receive unfavorable publicity.

COMPO	NENT	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	2. DATE
NG TNCTN	7 7 77 7	(computer generated) ON AND LOCATION		<u> </u>
. INSTAI	TRAIIC	on and Location		
		INTERNATIONAL AIRPORT NEW JERSEY		•
. PROJEC	CT TI	TLE	5. PR	OJECT NUMBER
PGRADE S	SANITA	ARY AND WATER SYSTEMS	AQ	RC949677
2. SUPI	PLEME	NTAL DATA:		
a. Est	timate	ed Design Data:		
(1)) Sta	atus:		
` '		Date Design Started		94 APR 05
		Percent Complete as of Jan 95		409
		Date 35% Designed		94 NOV 30
	(d)	Date Design Complete		95 MAY 31
(2)	Bas	sis:		
		Standard or Definitive Design -		NO
	(p)	Where Design Was Most Recently Used -		N/A
(3)) Tot	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000
	(a)	Production of Plans and Specifications		35
		All Other Design Costs		18
		Total		53
		Contract In-house		53
	(=)	In-nouse		
(4)) Cor	nstruction Start		96 MAY
		associated with this project will be proviations: N/A	idea iro	m
		.,	•	
		•		
			•	

1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	
3. INSTALLATIO	ON AND LOCATION	4. AREA CONSTR
MCGUIRE AIR FO	COST INDEX	
		1.19
	THE COURT OF THE TAXABLE OF	

5. FREQUENCY AND TYPE OF UTILIZATION
Two Unit Training Assemblies per month, 15 days annual field training per
year, daily training by technician/AGR force and for training.

- 6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS
- 2 Army National Guard Armories, 1 Naval Facility and 1 Active Army Post.

7. PROJEC	CTS REQUESTED IN '	THIS PROGRAM:	FY 19	96			
CATEGORY	,				COST	DESIGN	STATUS
CODE	PROJECT '	TITLE	SC	OPE	(\$000)	START	CMPL
	•						
211-179	FUEL CELL AND CO	RROSION	29	,400 SF	5,700	OCT 92	FEB 95
	CONTROL FACILITY	Y					

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Unilateral Construction Approved 15 NOV 93
(Date)

9. LAND ACQU	ISITION REQUIRED	None					
					(Number	of	Acres)
10. PROJECTS	PLANNED IN NEXT FOUR YEARS	•					,
CATEGORY				COST			
CODE	PROJECT TITLE	SCOPE		(\$000)_		,
	PER SQUADRON	26,400	SF	75	0		
1	PERATIONS FACILITY ISOLIDATED SQUADRON	44,700	SF	6,60	0		
OP	ERATIONS FACILITY						
171-450 MED	ICAL TRAINING FACILITY	6,000	SF	76	0		
	SOLIDATED AIRCRAFT	51,100	SF	8,60	0		
	POSITE BASE CIVIL ENGINEER	24,000	SF	3,25	0		
	USTRIAL WASTE TREATMENT		LS	75	0		

•					
1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE			
ANG	MILITARY CONSTRUCTION				
3. INSTALLATIO	3. INSTALLATION AND LOCATION				
MCGUIRE AIR FO	DRCE BASE, NEW JERSEY				

11. PERSONNEL STRENGTH AS OF 9 AUG 94

	PERMANENT				GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	567	128	395	44	1,552	230	1,322
ACTUAL	504	125	335 .	44	1,725	248	1,477

12. RESERVE UNIT DATA

		-	STRENGTH			
UNIT DE	SIGNATION	,	AUTHORIZED	ACTUAL		
HQ	NJ ANG		32	29		
HQ	108ARW		65	87		
108	OPS FT		44	34		
141	ARS		69	62		
141	AGU		0	0		
150	ARS		65	72		
108	OPS GP		8	1		
108	LOG GP		18	0		
108	MNT SQ		544	592		
108	LOG SQ		145	194		
108	SPT GP		. 5	6		
108	MSS		. 43	56		
108	COMMFT	•	. 36	62 ⁻		
108	SPS		118	125		
108	CES		132	190		
108	svc		52	45		
108	CLINIC		57	55		
170	CLINIC		55	50		
108	DET 2		40	39		
204	WEA FT		24	26		
		TOTALS	1,552	1,725		

TYPE	AUTHORIZED	ASSIGNED
KC 135 Aircraft	19	21
C-135B	1	1
C-26A	1	`1
Support Equipment	430	410
Vehicle Equivalents	380	380

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA

ANG

(computer generated)

3. INSTALLATION AND LOCATION

MCGUIRE AIR FORCE BASE NEW JERSEY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

51411F 211-179 PTFL949564 \$5,700

9. COST ESTIMATES

9. COSI ESTIMA	. 50			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FUEL SYSTEMS MAINTENANCE DOCK	SF	29,400		4,271
FUEL SYSTEMS MAINTENANCE DOCK	SF	23,800	150	(3,570)
FUEL SYSTEMS SHOPS	SF	2,500	125	(313)
CORROSION CONTROL SHOPS	SF	1,500	125	(188)
MEDIA STRIPPING AREA	SF	1,600	125	(200)
SUPPORTING FACILITIES .				900
UTILITIES	LS			(250)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS	.		(100)
FIRE SUPPRESSION	LS			(350)
SUBTOTAL				5,171
CONTINGENCY (5%)				259
TOTAL CONTRACT COST				5,430
SUPERVISION, INSPECTION AND OVERHEAD (5%)				272
TOTAL REQUEST			•	5,702
TOTAL REQUEST (ROUNDED)				5,700
				,
		'		

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab; structural steel and masonry with insulated panel walls and roof structure. All utilities, access pavements, fire suppression, and support.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 48,900 SF ADEQUATE: 19,500 SF SUBSTANDARD: 0 PROJECT: Fuel Cell and Corrosion Control Facility (New Mission). REQUIREMENT: The project supports the conversion of F-16 to KC-135 aircraft and the consolidation of the two squadrons and two locations into one squadron and one location. The facility is needed to provide control of fugitive paint and volatile and abrasive particulates, in compliance with New Jersey environmental regulation Title 7, Chapter 27, Air Pollution control for Emission of VOC and Fugitive Paint, and the Federal Clean Air Act of 1990. Both the act and the regulation prohibit practices that allow particulates to become airborne. Functional areas include fuel cell hangar, bladder repair shop, and associated support shop areas which must meet air quality control standards. Additionally, secondary containment is needed to meet spill containment requirements in accordance with 40 CFR 122.6. In the associated support shop areas, paint stripping and blasting operations require controlled containment in a centralized area that complies with proper environmental air quality and controls. CURRENT SITUATION: The unit has only one facility to perform fuel cell maintenance and corrosion control on 19 KC-135 aircraft. This has been found to be grossly inadequate. Weather conditions and environmental regulations mandate that fuel cell maintenance be performed indoors since it requires that the aircraft have fuel bladders and cells open for a considerable time. The work is now being performed in a hangar and on the

	1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA ANG (computer generated)	ra	2. DF	ATE
	3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE NEW JERSEY			
The second second	4. PROJECT TITLE FUEL CELL AND CORROSION CONTROL FACILITY		PROJECT PTFL9495	

ramp, weather permitting. Both locations are violations of aircraft technical orders. The ramp does not have the proper containment for fuel spills, which is in violation of Federal and State spill containment standards. Fuel on the ramp is washed down and ends up in the nearby stream which runs off base. The building does not have explosion proof fixtures, volatile organic carbon extraction system, or a containment drain to collect fuel. Upon completion of this project, the following buildings will be returned to the host base for disposition: 19-30, 19-31,19-32, and 19-37 totaling 31,690 SF.

IMPACT IF NOT PROVIDED: Fuel cell maintenance and corrosion control is not being performed on time. The unit operational readiness is degraded. Compliance with Federal and State environmental regulations are not met subjecting the unit to fines and notices of violations. Inadequate maintenance and inadequate training. The Air Force and Air National Guard could receive unfavorable publicity if a fuel spill is not contained. ADDITIONAL: As a result of BRAC 93 reallignment, all facilities are being fully utilized. An exception to the economic analysis requirement has been prepared for this project showing that there is no alternative other than new construction.

NG .	FY 1996	MILITARY CONSTRUCTION (computer generated		2. DATE
	TION AND LOCA			<u>. L</u>
	FORCE BASE N	EW JERSEY		
. PROJECT	TITLE		5. PF	ROJECT NUMBER
UEL CELL	ND CORROSION	CONTROL FACILITY	Pi	FL949564
2. SUPPI	MENTAL DATA:			
a. Esti	nated Design D	ata:	,	
(1)	Status:			
, ,	a) Date Desi	gn Started		92 OCT 10
		omplete as of Jan 95		95%
	c) Date 35%	_		94 JUN 01
	d) Date Desi	gn Complete	•	95 FEB 28
(2)	Basis:			
(2)		or Definitive Design -	•	ио
	•	ign Was Most Recently (Jsed -	N/A
	<i>z</i> ,			2.,22
(3)	Total Cost (c) = (a) + (b) or (d) +	(e):	(\$000
	a) Productio	n of Plans and Specific	cations	280
	b) All Other	Design Costs		100
	c). Total			380
•	d) Contract	• .		380
•	e) In-house			
(4)	Construction	Start	•	96 APR
. Equipm	nt associated	with this project will	l be provided fro	om
	priations: N		-	
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•	•				
1. COMPONENT	FY 1996 GUARD A	ND RESERVE		2. DATE	······································
ANG	MILITARY CONS	TRUCTION			
3. INSTALLATION				4. AREA	
WARREN GROVE RA	ANGE, NEW JERSEY				INDEX
E EDEOUENCY N	ND TYPE OF UTILIZATION			1.	15
Two unit train:	ing assemblies per mont ilitary members, DoD ago				
	E/GUARD/RESERVE INSTALL les, US Naval Air Engin				
. PROJECTS REG	QUESTED IN THIS PROGRAM	: FY 1996			
CATEGORY			COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
179-481 COMPOS FACII	SITE RANGE OPERATIONS LITY	8,625 SF	1,100	NOV 91	AUG 9
•					. •
	/E FORCES FACILITIES BOA al Construction Approved		ON	15 NOV	
. LAND ACQUIS	TION REQUIRED	None			
			(N	umber of	Acres
	LANNED IN NEXT FOUR YEAR	RS			
CATEGORY	DD0.1D00 0101.D		COST		
CODE	PROJECT TITLE	SCOPE	(\$000)	•	
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				r	
	•	•			
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		•			
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1. COMPONENT	F			D RESERVE		2. DATE	
ANG	TON AND TOO		ARY CONST	RUCTION		1	
3. INSTALLAT WARREN GROVE	RANGE, NEW	JERSE'					
11. PERSONNE	L STRENGTH	AS OF	12 AUG 94				
			MANENT			ARD/RESERVE	
		FICER				FICER ENL	ISTED 9
AUTHORIZED	11	2 2	9	0	11 11	2 2	9
ACTUAL	11	2				4	
12. RESERVE	UNIT DATA				STRENGTH		
	UNIT DESIG	NATION		AUTHORI		CUAL	
	DET1 HQ	WGR		1	1	11	
	_	,	TOTALS	1	1	11	
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13. MAJOR EQ	UIPMENT AND	AIRCR	AFT				
	TYPE			AUTHORI	ZED AS	SIGNED	
					0	0	
	nmon*					=	
Support Equi				_ 2	9	29	
				_ 2	9	29	
Support Equi				<u>,</u> 2	9	29	
Support Equi				_ 2	9	29	

1. COMPONENT		2. DATE					
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA					
ANG	(computer generated)						
3. INSTALLAT	3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
	COMPOSITE RA	NGE OPERATIONS					
WARREN GROVE	WARREN GROVE RANGE NEW JERSEY FACILITY						
5. PROGRAM EI	LEMENT 6. CATEGORY CODE 7. PROJECT NUMBER	8. PROJECT COST(\$000)					

55296F 179-481 YKSX919683

\$1,100

9. COST ESTIMATE	ES				
			UNIT	COST	
ITEM	U/M	QUANTITY	COST	(\$000)
COMPOSITE RANGE OPERATIONS FACILITY	SF	8,625		8	60
RANGE OPERATIONS	SF	3,300	105	(3	47)
VEHICLE OPERATIONS	SF	2,500	100	(2	50)
VEHICLE MAINTENANCE	SF	1,600	100	(1	60)
SUPPLY STORAGE	SF	1,000	80	(80)
TRAINING AREA	SF	225	100	(23)
SUPPORTING FACILITIES				1	50
UTILITIES/PAVEMENTS/SITE IMPROVEMENTS	LS			(95)
REPLACE UNDERGROUND FUEL STORAGE TANKS	LS			(25)
PRE-WIRED WORK STATIONS	LS	1		(<u>30</u>)
SUBTOTAL				1,0	10
CONTINGENCY (5%)					51
TOTAL CONTRACT COST				1,0	61
SUPERVISION, INSPECTION AND OVERHEAD (5%)		1			53
TOTAL REQUEST		1		: 1,1	14
TOTAL REQUEST (ROUNDED)		.		1,1	oó
				•	

10. Description of Proposed Construction: Reinforced concrete foundations, floor slabs, steel frame and roof, paved access, fire protection, and all necessary utilities and support. Replace underground storage tanks.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 8,625 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Composite Range Operations Facility (Current Mission). REQUIREMENT: This range, although operated by the Air National Guard, is used by the Total Force and is one of the few bombing ranges on the east coast. The range requires a properly sized and configured facility to support the range operations. Functional areas include: vehicle maintenance, vehicle operations, supply storage and range operations. CURRENT SITUATION: Range operations are split between a leased temporary facility and a very small WWII quonset hut. Vehicle maintenance is performed in a facility not designed for this type of operation. operations and maintenance activities are done in extremely small areas not appropriate for the needs. All the facilities have outlived their economic life. They are poorly insulated and grossly undersized. There are health and safety hazards. Effective command and control of the range operation does not exist. The facilities do not represent quality work The range is manned by two officers and nine enlisted personnel and is extensively used on weekdays and also on weekends. This range provides training and operational capabilities to the Defense Department at a low operational cost. Upon completion of this project, the following will be demolished: Building 2 at 882 SF and Building 15 at 88 SF. Temporary facility lease will be terminated. IMPACT IF NOT PROVIDED: Ineffective command and control of range

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ARREN GRO	OVE R	RANGE NEW JERSEY		
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OMPOSITE	RANG	SE OPERATIONS FACILITY	YK	SX919683
2. SUPP	LEMEN	ITAL DATA:		
a. Est:	imate	ed Design Data:		
(1)		itus:		01 2027 07
		Date Design Started		91 NOV 22
		Percent Complete as of Jan 95		1009
		Date 35% Designed		93 DEC 12
	(d)	Date Design Complete		94 AUG 09
(2)	Bas			***
		Standard or Definitive Design -		NO
	(b)	Where Design Was Most Recently Used -		N/A
(3)		cal Cost (c) = (a) + (b) or (d) + (e):		(\$000
		Production of Plans and Specifications		4!
		All Other Design Costs		. 25
	(C)	Total	•	7.0
	(d)	Contract		70
•	(e _·)	In-house		
(4)	Con	estruction Start		96 MA
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. Equipo		associated with this project will be provi	ded fro	om
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1. COMPONENT	FY 1996 GUARD AND RESERVE	2.	DATE	
ANG	MILITARY CONSTRUCTION			
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KIRTLAND AIR	FORCE BASE, NEW MEXICO		COST	INDEX
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5. FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.

- 6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 3 Army National Guard Armories, 2 Army Reserve Facilities, 1 Naval/Marine Reserve Facility
- 7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 COST DESIGN STATUS CATEGORY PROJECT TITLE SCOPE (\$000) START CMPL CODE 900 MAR 91 AUG 94 211-111 ALTER AIRCRAFT MAINTENANCE 32,200 SF HANGAR AND SHOPS 24,600 SF 211-157 COMPOSITE ENGINE AND NDI SHOP 2,700 AUG 91 JAN 95 211-159 AIRCRAFT CORROSION 11,300 SF 1,800 NOV 91 FEB 95 CONTROL FACILITY 217-713 LANTIRN MAINTENANCE FACILITY 5,300 SF 620 NOV 91 FEB 95

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Unilateral Construction Approved 29 JAN 94
(Date)

None

	·	•	(Numbe	r of Acres)
10. PROJ	ECTS PLANNED IN NEXT FOUR YEARS			
CATEGORY			COST	
CODE	PROJECT TITLE	SCOPE	(\$000)	
131-111	COMPOSITE COMMUNICATION AND	10,400 SF	2,300	
141-753	STATE HEADQUARTERS FACILITY ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	22,300 SF	3,000	
216-642		17,900 SF	2,900	
442-758	ADD TO AND ALTER BASE	41,000 SF	1,950	
1				

9. LAND ACQUISITION REQUIRED

1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	
3. INSTALLATI	ON AND LOCATION	
KTRTTAND ATR	FORCE BASE, NEW MEXICO	

11. PERSONNEL STRENGTH AS OF 16 AUG 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	363	40	319	4	1,054	123	931
ACTUAL	354	40	310	4	1,072	120	952

12. RESERVE UNIT DATA

		•			STRE	NGTH
UNIT DES	IGNA	ATION			AUTHORIZED	ACTUAL
HQ	NM A	ANG			28	28
150	FG				49	48
150	MED	SQ			32	36
150	MSS	SQ			34	32
150	MNT	SQ			464	483
150	CES	_			110	. 99
150	svs	FT			34	32
	SPS				57	57
150	LOG	SQ			107	104
	CMN	FT			35	39
150	SUP	GP			5	5
188	FS				. 42	50
•	STU	FT			5	. 20
150	OPS	GP			3	· 3
150	LOG	GP			16	15
150	OSF			å	33	21
			TOTALS		1,054	1,072
					•	•

TYPE	AUTHORIZED	ASSIGNED
F-16 Aircraft	18	25
C-26 Aircraft	1	1
Support Equipment	171	150
Vehicle Equivalents	179	86

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA

ANG

(computer generated)

3. INSTALLATION AND LOCATION

ALTER AIRCRAFT MAINTENANCE

KIRTLAND AIR FORCE BASE NEW MEXICO

HANGAR AND SHOPS

50000 011 111 MINI/900520 5900

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER

52620F 211-111 MHMV899520 \$900

9. COST ESTIMAT	LES	r	*****	
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER MAINTENANCE HANGAR AND SHOPS	SF	32,200		445
ALTER MAINTENANCE HANGAR	SF	24,000	10	(240)
ALTER GENERAL PURPOSE SHOPS	SF	4,200	25	(105)
ALTER ORGANIZATIONAL MAINTENANCE SHOPS	SF	4,000	25	(100)
SUPPORTING FACILITIES				370
UTILITIES	LS			(30)
ASBESTOS REMOVAL	LS			(100)
FIRE SUPPRESSION	LS			(210)
TEMPORARY FACILITY	LS			(30)
SUBTOTAL				815
CONTINGENCY (5%)				41
COTAL CONTRACT COST				856
SUPERVISION, INSPECTION AND OVERHEAD (5%)				43
TOTAL REQUEST	1			89 9
TOTAL REQUEST (ROUNDED)				900
		.		

- 10. Description of Proposed Construction: Relocate interior walls and extend and upgrade utilities. Remove asbestos. Provide a fire suppression system, and extend and upgrade the fire detection system. Air Conditioning: 25 Tons.
- 32,200 SF 11. REQUIREMENT: 55,000 SF ADEQUATE: 22,800 SF SUBSTANDARD: PROJECT: Alter Aircraft Maintenance Hangar and Shops (New Mission). REQUIREMENT: This project supports the conversion from A-7 to F-16 aircraft. Adequate facilities are necessary to support the general aircraft maintenance functions associated with the F-16. The aircraft requires functionally adequate, energy efficient aircraft maintenance shops and a maintenance control complex to accomplish aircraft repair, fabrication, calibration, training, servicing, and administration. facility and equipment need to be protected from potential fires. CURRENT SITUATION: The hangar and shop complex was constructed in the early 1950's. Several shops have been added and several modified as the unit converted from one aircraft to another over the years, leading to an inefficient interior layout. The facilities' infrastructure needs to be upgraded to accommodate the highly complex equipment required to keep the F-16 aircraft and all its components operational. Shops are not properly sized, organized or arranged and need to be relocated, resized and upgraded to provide for efficient and quality F-16 maintenance. The facility does not meet energy conservation standards; the electrical system needs to be upgraded in order to provide adequate power; the ventilation in the shops is inadequate and non-existent in altered/resized areas; the administrative area needs upgrading to provide a more functional working environment. The building has interior asbestos that needs removal. The facility has numerous health, safety and fire code

8. PROJECT COST(\$000)

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	2. D	ATE
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3. INSTALLAT	ION AND LOCATION	•		
KIRTLAND AIR	FORCE BASE NEW MEXICO			
4. PROJECT T	ITLE	5.	PROJECT	NUMBER

ALTER AIRCRAFT MAINTENANCE HANGAR AND SHOPS

MHMV899520

violations. Facility has inadequate fire detection and fire suppression systems in the shops and administration areas. The hangar bay area has an inadequate fire detection system and no fire suppression system.

IMPACT IF NOT PROVIDED: Increased backlog and inefficient repair of aircraft. Improper training. Decreased operational readiness of the unit and inability to maintain the F-16 aircraft. Increased energy costs. Health and safety hazards. Lack of adequate fire detection and suppression systems continue to leave multi-million dollar resources inadequately protected.

ADDITIONAL: Temporary administration space will be provided under this project during the time the building is being altered. Upon completion of the construction these facilities will be removed from base.

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			FY 1996 MILITARY CONSTRUCTION PR	OJECT DATA		
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LTER	AIRC	RAFT	MAINTENANCE HANGAR AND SHOPS		MHMV8995	20
l2. s	UPPI	.EMEN	FAL DATA:			
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a. :	Esti	mate	d Design Data:			
		Ch a				
	(1)	Sta	Date Design Started		91	MAR 02
			Percent Complete as of Jan 95		71	100%
			Date 35% Designed		92	JUL 01
			Date Design Complete			AUG 01
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	(2)	Bas			NO	
			Standard or Definitive Design - Where Design Was Most Recently Use	a _	N/	
		(D)	where besign was most recently ose	u –	147	n.
	(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
	, ,	(a)	Production of Plans and Specificat	ions		50
	a*	(b)	All Other Design Costs		•	26
			Total	•		76
•			Contract	•		76
		(e)	In-house			
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			associated with this project will bations: N/A	e provided	irom	
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FY 1996 MILITARY CONSTRUCTION PROJECT DATA

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2. DATE

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

KIRTLAND AIR FORCE BASE NEW MEXICO

COMPOSITE ENGINE AND NDI SHOP

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

52620F 211-157 MHMV899517 \$2,700

9. COST ESTIMATES

9. COS1 ESTIMAT	ت بند			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
COMPOSITE ENGINE AND NDI SHOP	SF	24,600		2,182
ENGINE SHOP	SF	12,000	120	(1,440)
NDI SHOP	SF	3,500	125	(438)
ENGINE STORAGE SHELTER	SF	1,000	85	(85)
ALTER AGE AND GENERAL PURPOSE SHOPS	SF	8,100	27	(219)
SUPPORTING FACILITIES	İ			270
UTILITIES	LS			(120)
SITE IMPROVEMENTS	LS			(50)
PAVEMENTS	LS			(100)
SUBTOTAL				2,452
CONTINGENCY (5%)				123
TOTAL CONTRACT COST	i			2,575
SUPERVISION, INSPECTION AND OVERHEAD (5%)				129
TOTAL REQUEST				2,704
TOTAL REQUEST (ROUNDED)	1	.	,	2,700
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10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls and built up roof. Provide overhead cranes, all utilities, access pavements, and site improvements. Convert engine shop to AGE by rearranging interior walls and by moving, upgrading, and extending the utilities.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 24,600 SF ADEQUATE: 0 SUBSTANDARD: 14,912 SF PROJECT: Composite Engine and NDI Shop (New Mission).

REQUIREMENT: This project supports the conversion from A-7 to F-16 aircraft. Adequate facilities are necessary to support the engine maintenance functions associated with the F-16 aircraft. The jet engines require disassembly, inspection, minor and major repairs, and reassembly in a safe a properly configured area with sufficient lighting and ventilation. An engine trailer storage shelter and a Non Destructive Inspection (NDI) shop are also required. Adequately sized and properly configured maintenance areas are needed for inspection, repair, service, and storage of aircraft ground support equipment. An area is required for the electro-environmental, battery, and wheel/tire shops. Training, administration, and storage space to complement the maintenance areas are also required.

CURRENT SITUATION: The engine shop is a structurally sound facility but is grossly undersized and poorly configured. The work stations, engine storage, and tools, occupy most of the floor space. The remaining area is crowded with administrative offices, bearing room, parts cleaning, tool crib, shop chief, and toilets. Manhours are lost moving engines/equipment and improvising. Environmental controls, lighting, and ventilation are substandard. The engine shop is only 8,000 SF while the minimum required

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PRO	OJECT DATA	2. DATE
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	FORCE BASE NEW MEXICO		
4. PROJECT T	ITLE	5.	PROJECT NUMBER
COMPOSITE EN	GINE AND NDI SHOP		MHMV899517

is 12,000 SF. Since 1992 there has been a significant decrease in the the capability of the personnel to maintain and repair the engines in the severely overcrowded space. The NDI shop is less than 50% of the required size. There is insufficient space for all the equipment. This results in work backlog due to waiting time for the availability of equipment. Training opportunities are lost. There is a need for a larger NDI shop but it cannot be expanded. The engine shop area will be altered to support AGE and other aircraft maintenance functions which are also extremely short of space as a result of the aircraft conversion. This will allow the disposal of other older buildings. Upon completion of this project the following will be demolished: Building 1051 at 6,000 SF and Building 1040 at 812 SF for a total of 6,812 SF. IMPACT IF NOT PROVIDED: The unit is unable to reach full operational capability. Readiness is degraded. Training and productive time is lost.

Unsafe and poor working conditions continue. This directly impacts the output of these shops and degrades the capability. Training sorties are lost. Lack of space adversely affects the quality of maintenance that needs to be performed on the F-16 aircraft.

ADDITIONAL: An economical analysis has been prepared comparing various alternatives. Based on that analysis new construction is the best option over the expected life of the facilities.

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COMPOSITE	ENGI	NE AND NDI SHOP		PHILL	V ())) .	7 - 7
12. SUPP	LEMEN	TAL DATA:				
a. Est	imate	ed Design Data:				
(1)	Sta	atus:				
(-,		Date Design Started			91	AUG 30
		Percent Complete as of Jan 95				1009
		Date 35% Designed			93	MAY 31
		Date Design Complete			95	JAN 01
(2)	Bas	sis:				
(-)		Standard or Definitive Design -			N	
	(b)				N	/A
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):				(\$000
, ,		Production of Plans and Specifications				,97
		All Other Design Costs				53
	(c)	Total			•	, 150
•	(d)	Contract				150
	(e)	In-house				
(4)	Cor	nstruction Start				96 MAI
o. Equip	ment	associated with this project will be provide	ed :	from		
otner app	propri	Lations: N/A				

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3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE			
AIRCRAFT CORROSION					
KIRTLAND AIR FORCE BASE NEW MEXICO CONTROL FACILITY					
5. PROGRAM EL	EMENT 6. CATEGORY CODE	7. PROJECT NUMBER 8. PROJEC	CT COST(\$000)		

55256F 211-159 MHMV929686 \$1,800

9. COST ESTIMATES

9. COST ESTIMAT	ES				
			UNIT	COST	
ITEM	U/M	QUANTITY	COST	(\$000)	
AIRCRAFT CORROSION CONTROL FACILITY	SF	11,300		1,174	1
CORROSION CONTROL FACILITY	SF	6,000	135	(810))
COMPOSITE MATERIALS SHOP	SF	300	145	(44	1)
ALTER FUEL SYSTEMS SHOP	SF	5,000	64	(320))
SUPPORTING FACILITIES				450)
UTILITIES	LS			(75	5)
PAVEMENTS	LS			(100))
SITE IMPROVEMENTS	LS			(75	5)
FIRE SUPPRESSION	LS			(200	2)
SUBTOTAL	-			1,624	1
CONTINGENCY (5%)				81	L
TOTAL CONTRACT COST				1,705	5
SUPERVISION, INSPECTION AND OVERHEAD (5%)				85	5
TOTAL REQUEST				1,790	5
TOTAL REQUEST (ROUNDED)				1,800)
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- 10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls with structural steel framing and roof system. Provide all utilities, pavements and site improvements and an oil/water separator. Relocate a paint spray booth insert. Exterior to match existing of Building 1063.
- Air Conditioning: 15 Tons.
- 6,000 SF REQUIREMENT: 17,300 SF ADEQUATE: SUBSTANDARD: PROJECT: Aircraft Corrosion Control Facility (Current Mission). REQUIREMENT: This is a Level II environmental compliance requirement. The base requires a facility for the control of fugitive emissions, volatile organic compounds, paint and abrasive particulates, in accordance with the Clean Air Act Amendment of 1990, which enforces the practice of controlling hazardous air pollutant emissions associated with the manufacturing and reworking of military and commercial aircraft, subassemblies, and aircraft parts. In the associated shop area, paint stripping and blasting operations require controlled containment in a centralized area with proper environmental air quality controls. project will replace and consolidate uncontrolled sand blasting activities and provide a single facility which will establish and maintain proper environmental controls and meet pollution and safety standards. CURRENT SITUATION: The facility is insufficiently sized and cannot accommodate both simulation functions of fuel cell and corrosion control. Aircraft corrosion control is being performed in widely separated areas. Washing of aircraft is outside. The work can only be done when the weather permits; when it is not too hot or too cold or there is no wind The oil/water separator in the facility does not meet state and federal regulations and is inadequate in size to handle fuel spills.

1	1. COMPONENT	2. DATE
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	KIRTLAND AIR FORCE BASE NEW MEXICO	
	4. PROJECT TITLE 5.	PROJECT NUMBER
	AIRCRAFT CORROSION CONTROL FACILITY	MHMV929686

It must be upgraded before contamination of the soil and water occurs. Painting of aircraft parts on and off the aircraft and x-ray examination of the structural parts occurr in another facility. The F-16 aircraft is more fuel cell intensive and requires a dedicated fuel cell bay, leaving no facility for corrosion control and related tasks. The painting is done outside or in temporary paint spray booths. These interim solutions are not acceptable for the long term and lead to air pollution. There is no composite material shop associated with the current aircraft. Upon completion of this project, Building 1053 at 1,940 SF will be demolished. IMPACT IF NOT PROVIDED: Inefficient training and poor working conditions. Mission capability of the corrosion control/fuel cell shop and the health and welfare of the personnel are adversely affected. Environmental statutes are violated through air pollution, water pollution and soil contamination. If a fuel spill should occurr, the Air Force and Air National Guard may receive unfavorable publicity.

<u>ADDITIONAL</u>: Due to on going commitments to other DoD agencies, this unit annually flies 50% more flights than similiar units. These additional flights, in support of Defense Systems Evaluations (DSE), put an additional strain on the unit when inadequate facilities exist.

. COMPON	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT D	ስ አ ጥአ	2. DATE
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TDOD NO	00DD0	OSION CONTROL FACILITY	MI	HMV929686
IRCRAFI	CORRC	STON CONTROL PACIFIT	l Pii	1117727000
.2. SUPP	LEMEN	ITAL DATA:		
a. Est	imate	ed Design Data:		
(1)	Sta	itus:		
	(a)	Date Design Started		91 NOV 26
		Percent Complete as of Jan 95		95%
		Date 35% Designed		94 AUG 01
		Date Design Complete		95 FEB 15
(2)	Bas	is:		,
	(a)	Standard or Definitive Design -		NO
	(b)	Where Design Was Most Recently Used -		N/A
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):		(\$000
	(a)	Production of Plans and Specifications		83
•	(b)	All Other Design Costs		58
	(C)	Total	•	14:
	(d)	Contract		14:
	(e)	In-house		
(4)	Con	nstruction Start		96 MAF
. Equip	ment	associated with this project will be provi	ded fro	om
ther app	ropri	lations: N/A		
		•		

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) ANG 3. INSTALLATION AND LOCATION 4. PROJECT TITLE

LANTIRN MAINTENANCE FACILITY

KIRTLAND AIR FORCE BASE NEW MEXICO 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

MHMV929502 \$620 52620F 217-713

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9. COST ESTIMATE	ES				1
			UNIT	COST	Ī
ITEM	U/M	QUANTITY	COST	(\$000)	l
LANTIRN MAINTENANCE FACILITY	SF	5,300		447	Ī
LANTIRN MAINTENANCE SHOP	SF	2,000	120	(240)	l
ALTER AVIONICS SHOP	SF	2,100	70	(147)	l
COVERED AREA FOR AIR MOBILE EQUIPMENT	SF	1,200	50	(60)	۱
SUPPORTING FACILITIES				115	l
UTILITIES	LS			(55)	ı
PAVEMENTS	LS			(50)	l
SITE IMPROVEMENTS	LS			(10)	l
SUBTOTAL		1		562	l
CONTINGENCY (5%)				28	l
TOTAL CONTRACT COST		-		590	l
SUPERVISION, INSPECTION AND OVERHEAD (5%)				30	l
TOTAL REQUEST		ł		620	l
TOTAL REQUEST (ROUNDED)	1	ļ		620	l
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10. Description of Proposed Construction: Addition to the avionics building with reinforced concrete foundation and floor slab. Steel reinforced block walls and roof structure. Alteration: rearrange walls, and extend and upgrade utilities. Provide exterior utilities, pavements and site improvements and a covered area.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 5,300 SF ADEQUATE: 0 SUBSTANDARD:

PROJECT: Lantirn Maintenance Facility (New Mission).

REQUIREMENT: This project supports the conversion from A-7 to F-16 aircraft. The base requires a facility to maintain the avionics equipment, train personnel and provide administration and work space associated with the assigned Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) pod targeting and navigation system. Associated with the LANTIRN system are air mobile equipment that require a covered concrete slab adjacent to the facility so that training can be performed in the field deployable shelters and field conditions. CURRENT SITUATION: The avionics building is inadequately sized to accommodate the new LANTIRN mission. There are no covered slabs to provide support and protection for the air mobile maintenance shelters that are an integral part of this mission. The utilities and the heating, ventilation, and air conditioning systems require upgrades to accommodate the new mission requirements.

IMPACT IF NOT PROVIDED: Inefficient and ineffective training of the crews. Crowded working conditions and poor training conditions for both full time and weekend forces. Inability to properly maintain the LANTIRN pods or utilize the mobile shelters. The unit is not be able to support their mission. Reduced readiness.

1. COMP	ONEN	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	PA 2. DATE
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. PROJ	ECT	TITLE	5. PROJECT NUMBER
JANTIRN	MAI	NTENANCE FACILITY	MHMV929502
.2. SU	PPLE	MENTAL DATA:	
a. E	stim	ated Design Data:	•
(1)	Status:	
,	•	a) Date Design Started	91 NOV 26
		b) Percent Complete as of Jan 95	95%
		c) Date 35% Designed	94 JUN 16
	(d) Date Design Complete	95 FEB 01
,	21	Basis:	
,	•	a) Standard or Definitive Design -	NO
		b) Where Design Was Most Recently Used -	N/A
ı	3) '	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
,		a) Production of Plans and Specifications	26
		All Other Design Costs	17
		c) Total	43
		d) Contract	43
	(e) In-house	
(4)	Construction Start	96 MAR
. Equ	ipme	nt associated with this project will be provide	ed from
ther a	ppro	priations: N/A	
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. COMPONEN				2. DATE	
ANG	MILITARY CONST	RUCTION		4. AREA	CONST
	TION AND LOCATION			1	INDEX
IANCOCK FIE	LD ANG, NEW YORK	•			20
	Y AND TYPE OF UTILIZATION			1 4.	20
	raining Assemblies per mont use by technician/AGR forc			trainin	g per
Army Tele	TIVE/GUARD/RESERVE INSTALLA communications Center, 3 Ar ter, 1 Marine Reserve Cente	my National Gua	rd Armor	ies, 1 N	aval
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	REQUESTED IN THIS PROGRAM:	FY 1996			000
CATEGORY			COST	DESIGN	
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
	MPOSITE MEDICAL TRAINING	15,400 SF	1,990	NOV 93	FEB 9
Q STATE DE	SERVE FORCES FACILITIES ROL	ARD RECOMMENDATI	ON		
	SERVE FORCES FACILITIES BOA		ON	30 AUG	
Unila				(Dat	:e)
Unila	QUISITION REQUIRED	None			:e)
Unila 9. LAND ACC	iteral Construction Approved	None	(N	(Dat	:e)
Unila 9. LAND ACQ 10. PROJECT	QUISITION REQUIRED	None		(Dat	:e)
Unila 9. LAND ACC 10. PROJECT CATEGORY CODE 171-445 CC	QUISITION REQUIRED TS PLANNED IN NEXT FOUR YEAR	None RS	COST (\$000)	(Dat	:e)
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Unila 9. LAND ACC 10. PROJECT CATEGORY CODE 171-445 CC	QUISITION REQUIRED TS PLANNED IN NEXT FOUR YEAR PROJECT TITLE DMPOSITE OPERATIONS AND	None SCOPE	COST (\$000)	(Dat	:e)

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION COMPOSITE MEDICAL TRAINING FACILITY HANCOCK FIELD ANG NEW YORK 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) \$1,990 HAAW909833 171-450 55296F 9. COST ESTIMATES UNIT COST (5000) U/M QUANTITY COST ITEM 1,495 COMPOSITE MEDICAL TRAINING FACILITY SF 15,400 MEDICAL TRAINING AND ADMINISTRATION 10,500 120 (1,260)SF 1,000 110 110) SF PHYSICAL FITNESS TRAINING AREA 32 125) 3,900 SF ALTER OPERATIONAL TRAINING FACILITY 310 SUPPORTING FACILITIES 100) LS UTILITIES LS 75) **PAVEMENTS** 35) LS

. SITE IMPROVEMENTS 100) PRE-WIRED WORK STATIONS LS 1,805 SUBTOTAL 90 CONTINGENCY (5%) 1,895 TOTAL CONTRACT COST 95 SUPERVISION, INSPECTION AND OVERHEAD (5%) 1,990 TOTAL REQUEST 1,990 TOTAL REQUEST (ROUNDED)

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab; concrete block with exterior metal or masonary veneer and roof system. Includes site work, pavement, access road, parking lot, utilities, and support. Alter vacated space in Building 617 for Operational Training by rearranging and extending walls and utilities. Air Conditioning: 35 Tons.

11. REQUIREMENT: 15,400 SF ADEQUATE: 0 SUBSTANDARD: 14,700 SF

PROJECT: Composite Medical Training Facility (Current Mission).

REQUIREMENT: The base requires a properly sized facility for medical and dental examination rooms and offices, laboratories, administration of personnel medical records, training, and storage space to maintain proficiency and to perform preventative medical services. These services include physical exams, lab work, immunizations, optical and audio testing, and other medical and dental support to maintain unit readiness. Facility must accommodate nine additional medical personnel from three communications electronics units. Physical fitness space provides an area for the unit to conduct medical aerobic testing and provides daily exercise and fitness for base personnel.

CURRENT SITUATION: The wartime medical training services are being performed in two facilities. Building 617 is 3,900 SF and is physically connected to Building 613, which houses the base operations and training offices and the Wing Headquarters. Building 780 is 5,400 SF of which 2,435 SF is used for Medical Training. It is a WWII wood barracks converted to accommodate the medical clinic functions. It is in poor condition with a leaking roof, deteriorated siding, single pane windows, and antiquated plumbing, mechanical and electrical systems. Both of these facilities are grossly undersized to accommodate the requirements for

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION F (computer generated)	
	O ANG NEW YORK	
4. PROJECT T		5. PROJECT NUMBER HAAW909833

medical training and clinic functions. Nine doctors use two exam rooms, which are also used as offices for the clinic commander and chief of medical services. The vacated medical area in Building 617 will be upgraded at minimal cost and retained until it will be disposed in a future replacement project. This project is in accordance with the Approved Base Master Development Plan. Upon completion of this project the following will be demolished: Buildings 779 and 780 each at 5,400 SF for a total of 10,800 SF.

IMPACT IF NOT PROVIDED: Inadequate and inefficient training and operations, poor working conditions will continue. Morale and recruiting continues to be affected. Increased costs to operate and maintain antiquated facilities. Degraded fitness and readiness. Unable to comply with the approved master plan.

ANG		FY 1996 MILITARY CONSTRUCTION PROJECT	r DATA	2. DATE
		(computer generated)		<u> </u>
. II	NSTALLAI	ION AND LOCATION		
ANC	OCK FIEL	D ANG NEW YORK		
. PI	ROJECT T	ITLE	5. PI	ROJECT NUMBER
OMP	OSITE ME	DICAL TRAINING FACILITY	HZ	AAW909833
12.	SUPPLEM	ENTAL DATA:		
a.		ted Design Data:		
		·		
		tatus:		93 NOV 08
		Date Design Started		93 NOV 08
		Percent Complete as of Jan 95		94 JUL 30
		Date 35% Designed		95 FEB 01
	(0) Date Design Complete		JS EED UI
	(2) E			
	(a) Standard or Definitive Design -		NO
	(t) Where Design Was Most Recently Used -		N/A
	(3) 7	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000
) Production of Plans and Specifications	•	. 99
) All Other Design Costs		68
	•	r) Total		167
•.) Contract		167
		e) In-house		
		· · · · · · · · · · · · · · · · · · ·		96 JUN
	(4)	Construction Start		96 JUN
) .]	Equipmer	at associated with this project will be pro	ovided fro	om
		at associated with this project will be propriations: N/A	ovided fro	om .
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1. COMPONENT	FY 1996 GUARD	AND RESERVE		2. DATE	
ANG	MILITARY CON	•			
3. INSTALLATION	N AND LOCATION INTERNATIONAL AIRPORT,	NEW YORK			CONST INDEX 05
FREQUENCY A	ND TYPE OF UTILIZATION				
Four Unit Train	ning Assemblies per mo y use by technician/AG	nth, 15 days annu			g per
6. OTHER ACTIV	E/GUARD/RESERVE INSTAL	LATIONS WITHIN 1	MILE RA	DIUS	
l Air Force Re Miles	serve - On Base 1 Army	National Guard -	- Niagara	Falls,	4
7. PROJECTS REG	QUESTED IN THIS PROGRA	M: FY 1996			
CATEGORY	-		COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
832-266 UPGRAI	DE RUNWAY OVERRUN DE STORM WATER AND IARY SEWER SYSTEM	12,400 SY LS			
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	VE FORCES FACILITIES B		ION	20.344	. 04
Unilater	al Construction Approv	rea .		30 AUG (Dat	
. LAND ACQUIS	ITION REQUIRED	None		1221	
	<u> </u>		(N	umber of	Acres
	LANNED IN NEXT FOUR YE	CARS			
CATEGORY	DDA TRAM MIMIT	CODE	COST		
CODE	PROJECT TITLE	SCOPE	(\$000)		
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			-		

-	1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
	ANG	MILITARY CONSTRUCTION	

3. INSTALLATION AND LOCATION
NIAGARA FALLS INTERNATIONAL AIRPORT, NEW YORK

11. PERSONNEL STRENGTH AS OF 11 AUG 94

		PER	MANENT			GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	365	25	335	5	958	118	840
ACTUAL	344	25	315	4	917	107	810

12. RESERVE UNIT DATA

			STRENGTH			
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL		
107	HQ GP		55	57		
107	MED SQ		55	52		
107	OPS GP		6	4		
107	LOG GP		. 12	11		
107	ARS		75	66		
107	OSF		33	21		
107	MNT SQ		288	286		
107	LGS	,	107	106		
107	SUP GP		5	5		
107	MSF		34	33		
107	CES		145	127		
107	SPS		75	72		
. 107	SVS FT		. 25	. 21		
107	COMMFT	,	43	40		
8107	STU FT		0	16		
		TOTALS	958	917		

TYPE	AUTHORIZED	ASSIGNED
KC-135 Aircraft	9	6
Support Equipment	. 94	77
Vehicle Equivalents	210	201

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONS	TRUCTION PROJECT DATA	
ANG	(computer	generated)	
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	
NIAGARA FALLS	INTERNATIONAL AIRPORT		
NEW YORK		UPGRADE RUNWAY OVERR	UN
5. PROGRAM EL	EMENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJE	CT COST(\$000)

RVK0919599 111-115

9.	COST	ESTIMATES	3			
					UNIT	COST
			U/M	QUANTITY	COST	(\$000)
			637	10 400	OF	1 054

\$1,950

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE RUNWAY OVERRÚN	SY	12,400	85	1,054
SUPPORTING FACILITIES				735
RELOCATE AND ADD LIGHTS	LS			(200)
SHOULDERS	LS			(125)
UTILITIES	LS			(165)
UPGRADE TAXIWAY F AND CULVERTS	LS			(245)
SUBTOTAL				1,789
CONTINGENCY (5%)				89
TOTAL CONTRACT COST				1,878
SUPERVISION, INSPECTION AND OVERHEAD (5%)		ŀ	,	94
TOTAL REQUEST				1,972
TOTAL REQUEST (ROUNDED)				1,950
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- Description of Proposed Construction: Reinforced concrete surfaces. Relocate and extend runway lights. Upgrade Taxiway "F" and culverts. All utilities and support.
- 11. REQUIREMENT: As required.

51411F

PROJECT: Upgrade Runway Overrun (New Mission).

REQUIREMENT: Project supports the conversion of F-16 to KC-135 aircraft. The base requires the runway and taxiways of proper length and strength for the operational requirement of fuel loaded tanker aircraft. Provide adequate airfield lighting in accordance with FAA airfield standards. CURRENT SITUATION: The commercial runway is only 9,125 LF with 1,000 LF understrength overruns at each end. In addition, 500 LF of the runway is unusable when taking off to the West because of Taxiway "F" being located down the runway and the runway's width does not allow KC-135 aircraft to safely turnaround. This is insufficient to operate a fully loaded KC-135 aircraft. The aircraft now operate from the base without a full fuel load. This is operationally insufficient and degrades training. project strengthens 500 LF of the east end of the overrun. Also included is the strengthening of Taxiway "F", including replacement of deficient culverts, and a wide turnaround at the east end of the runway so the KC-135 aircraft can safely turnaround.

IMPACT IF NOT PROVIDED: Fully loaded aircraft cannot take off. The aircraft will have to take off without the required load. Degraded training and unable to provide fully mission capable aircraft. Unable to achieve full operational capability. Degraded readiness.

. INSTA	LLATIC	N AND LOCATION	
T N C N D N	FATTC	INTERNATIONAL AIRPORT NEW YORK	
. PROJE			5. PROJECT NUMBER
PGRADE	RUNWAY	OVERRUN	RVKQ919599
2. SUP	PLEMEN	TAL DATA:	
a. Es	timate	ed Design Data:	
(1) Sta	atus:	•
		Date Design Started	91 DEC 23
		Percent Complete as of Jan 95	95%
		Date 35% Designed	94 FEB 16
	(d)	Date Design Complete	95 FEB 01
(2) Bas		
		Standard or Definitive Design -	NO
	(p)	Where Design Was Most Recently Used -	N/A
(3) Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
•		Production of Plans and Specifications	91
		All Other Design Costs	88
•		Total	1,79
•		Contract	179
	(e)	In-house	•
(4) Con	struction Start	96 JUN
		associated with this project will be provide	ded from
		associated with this project will be providations: N/A	ded from
			ded from
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COST INDEX 1.02 FREQUENCY AND TYPE OF UTILIZATION ight Unit Training Assemblies per month, 15 days annual field training er year, daily use by technician/AGR force and for training. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS Naval Reserve Center, 2 Army National Guard Units, 3 Army Reserve Units, Marine Corps Reserve Center and 1 Coast Guard Center PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 ATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 24-135 REPLACE UNDERGROUND FUEL LS 380 SEP 92 MAY 9: STORAGE TANKS STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved LAND ACQUISITION REQUIRED None (Number of Acres ATEGORY COST		<u> </u>	STRUCTION			
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O. PROJECTS PLANNED IN NEXT FOUR YEARS ATEGORY COST	Unitate	ral Construction Approve	3 a .			
ATEGORY COST					(Dat	:e)
	. LAND ACQUI	SITION REQUIRED	None	· (N	(Dat	:e)
	9. LAND ACQUIS	SITION REQUIRED	None		(Dat	:e)
	D. LAND ACQUIS	SITION REQUIRED	None	COST	(Dat	:e)
	D. LAND ACQUISTO PROJECTS TO CATEGORY	SITION REQUIRED	None	COST	(Dat	:e)
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	. LAND ACQUIS O. PROJECTS	SITION REQUIRED	None	COST	(Dat	:e)
	O. PROJECTS	SITION REQUIRED	None	COST	(Dat	:e)
	O. PROJECTS	SITION REQUIRED	None	COST	(Dat	:e)
	O. PROJECTS	SITION REQUIRED	None	COST	(Dat	:e)
	O. PROJECTS	SITION REQUIRED	None	COST	(Dat	:e)
	D. LAND ACQUISTO PROJECTS TO CATEGORY	SITION REQUIRED	None	COST	(Dat	:e)
	D. LAND ACQUIS	SITION REQUIRED	None	COST	(Dat	:e)
	D. LAND ACQUIS	SITION REQUIRED	None	COST	(Dat	:e)
	D. LAND ACQUISTO PROJECTS TO CATEGORY	SITION REQUIRED	None	COST	(Dat	:e)
	D. LAND ACQUISTO PROJECTS TO CATEGORY	SITION REQUIRED	None	COST	(Dat	:e)
	O. PROJECTS	SITION REQUIRED	None	COST	(Dat	:e)

-	1.	COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE	I
		ANG	MILITARY CONSTRUCTION		1
-	3	THOMAT TAME	N AND LOCATION		i

3. INSTALLATION AND LOCATION BLUE ASH ANG STATION, OHIO

11. PERSONNEL STRENGTH AS OF 29 JUL 94

		PERMANENT				GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	41	3	34	4	183	19	164
ACTUAL	39	3	32	4	188	19	169

12. RESERVE UNIT DATA

			STRENGTH			
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL		
123	TACCSQ		94	99		
124	TACCSQ		89	89		
		TOTALS	183	188		

TYPE	AUTHORIZED	ASSIGNED
Prime Equipment	84	65
Support Equipment	16	16
Vehicle Equivalents	295	285

1. COMPONENT	FY 1996 GUARD A			2. DATE	
ANG	MILITARY CONS	TRUCTION	.,		GOVGED
3. INSTALLATIO	ON AND LOCATION				CONSTR
CAMP PERRY AND	S STATION OHIO			COST	INDEX
				1.	04
5. FREQUENCY A	AND TYPE OF UTILIZATION				
Four Unit Trai	ining Assemblies per mon	th, 15 days	annual field	trainin	g per
vear, daily us	se by technician/AGR for	ce for train:	ing.		
	,				
					İ
6 000000 3 00000	/E/GUARD/RESERVE INSTALL	AMTONG WIMUT	T 1E WITE DA	DTHE	
			N TO BILL CE	D103	
1 Army Nationa	al Guard Training Center				
	•				
	EQUESTED IN THIS PROGRAM	: FY 1996	•		
CATEGORY			COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
124-135 REPLA	ACE UNDERGROUND FUEL		LS 320	JAN 94	MAY 95
STO	RAGE TANKS				
					-
!					
			•		
'		•			
	••	٠			
	RVE FORCES FACILITIES BO		DATION		
	RVE FORCES FACILITIES BO		DATION	1 JUN	
Unilate	ral Construction Approve		DATION	1 JUN (Dat	
Unilate	•			(Dat	e)
Unilate	ral Construction Approve	d			e)
Unilate: 9. LAND ACQUIS	ral Construction Approve	None		(Dat	e)
Unilate: 9. LAND ACQUIS	ral Construction Approve	None		(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS	ral Construction Approve	None	(N	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)
9. LAND ACQUIS 10. PROJECTS 1 CATEGORY	ral Construction Approve	None RS	COST	(Dat	e)

. COMPONENT ANG			GUARD AND			2. DA	TE
ANG I. INSTALLATION CAMP PERRY AND		LOCATION	ARI CONSTR	OCTION			
1. PERSONNEL	STRENG	TH AS OF	19 AUG 94				
		PER	MANENT			GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL		ENLISTE
AUTHORIZED	39	0	7	32	221	10	211
ACTUAL	36	0	7.	29	196	8	188
.2. RESERVE U	NIT DAT	'A					
	UNIT DE	SIGNATION		AUTHORIZ	STRENGTH ED	ACTUAL	
	200	RHCES		221		188	
	200	STU FT		0		8	
			TOTALS	221		196	
-							
	•						•
•	•						
			•				

-	2	1/1 700	BOILTBUILD	B 375	2 72002 200	
Т	٠.	MAJOR	EOUIPMENT	ANU	AIRCRAFT	

TYPE	AUTHORIZED	ASSIGNED
Vehicles	28	28
Support Equipment	28	28
Vehicle Equivalents	175	166

					·
1. COMPONENT	FY 1996 GUARD A			2. DATE	
ANG TNSTALLATI	MILITARY CONS	STRUCTION .		4. AREA	CONST
	IR NATIONAL GUARD BASE,	ОНТО			INDEX
RICKENDAREN II	IN MITOMIL COINS SIDE,		•	0.	
5. FREQUENCY	AND TYPE OF UTILIZATION				
Two unit trai	ning assemblies per mont	ch, 15 days and	nual field	training	per
year, daily u	se by technician/AGR for	rce and for tra	aining		
	IN COLUMN THE THE THE	AMTONC WIMUTN	15 MITE DA	DTIIC	
	VE/GUARD/RESERVE INSTALI ve, 3 ONG Armories, 3 US				r. 1
	Center, 1 Naval Intell			PD 000	-, -
THE THE POLICE					
	EQUESTED IN THIS PROGRAM	M: FY 1996	COST	DESIGN	בוודביד
CATEGORY CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
CODE	PRODECT TITLE	50012	(\$000)		
124-135 REPL	ACE UNDERGROUND FUEL	1	LS 310	MAR 94	MAY 9
STO	RAGE TANKS				
		•	•		
	• • • • • • • • • • • • • • • • • • • •		•		•
•	. •		•		
8. STATE RESE	RVE FORCES FACILITIES BO	DARD RECOMMEND	ATION		
Unilate	ral Construction Approve	ed ·		1 JUN	
0	armiou province	None		(Dat	e)
9. LAND ACQUI	SITION REQUIRED	None		umber of	Acres
10. PROJECTS	PLANNED IN NEXT FOUR YEA	ARS	, (14	umber or	nores
CATEGORY			COST		
CODE	PROJECT TITLE	SCOPE	(\$000)		
	PRODUCT TITLE				
	PROJECT TITLE	·	3		
	PROJECT TITLE		<u> </u>		
	PROJECT TITLE		<u> </u>		
	PROJECT TITLE		<u> </u>		
	PROJECT TITLE		<u> </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, , , , , , , , , , , , , , , , , , , </u>		
	PROJECT TITLE		<u>, ,</u>		
	PROJECT TITLE		\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.		

-	1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
	ANG	MILITARY CONSTRUCTION	

3. INSTALLATION AND LOCATION

RICKENBAKER AIR NATIONAL GUARD BASE, OHIO

11. PERSONNEL STRENGTH AS OF 11 AUG 94

		PERMANENT				GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	525	60	419	46	1,443	191	1,252
ACTUAL	647	59	456	132	1,567	208	1,359

12. RESERVE UNIT DATA

····	•		STRE	NGTH
UNIT DE	SIGNATION	٠	AUTHORIZED	ACTUAL
121	ARW		69	102
121	OG		8	0
121	oss		. 41	3
166	ARS		69	78
145	ARS		69	63
121	LG		18	0
121	LS		146	205
121	MS		472	560
121	SG		5	3
121	MSS		51	80
121	HSP		54	47
160	CLN .	•	54	51
121	SPF	•	. 118	129
121	cs		56	51
121	MWRS		30	43
121	CES		124	. 117
8121	STU FT		59	35
		TOTALS	1,443	1,567

TYPE	AUTHORIZED	ASSIGNED
KC-135 Aircraft	19	21
C-26 Aircraft	1	1
Support Equipment	392	355
Vehicle Equivalents	484	688

		1996 GUARD AND			2. DATE	
ANG		ILITARY CONST	RUCTION		4. AREA	CONCER
3. INSTALI	ATION AND LOCAT	ION				INDEX
rulsa inti	RNATIONAL AIRPO	RT, OKLAHOMA		•		92
					<u> </u>	72
Four Unit	ICY AND TYPE OF Training Assemb Y use by techni	lies per mont	h, 15 days annu e and for train	al field ing.	trainin	g per
6. OTHER A 2 Army Nat Combined 1	ACTIVE/GUARD/RES Lional Guard Arm Reserve	ERVE INSTALLA nories, 1 Army	TIONS WITHIN 19 National Guard	MILE RAI Medical	DIUS Company	, 1
			. 1006			
	rs requested in	THIS PROGRAM:	FY 1996	COST	DESIGN	STATUS
CATEGORY CODE	PROJECT	TITLE	SCOPE	(\$000)	START	
131-111	COMPOSITE COMMUN	NICATIONS	18,600 SF	1,900	JAN 90	OCT 9
	•					
	RESERVE FORCES I			ION	6 OC	
Uni	lateral Constru	ction Approved		ION	6 OC	
Uni		ction Approved			(Dai	e)
Uni 9. LAND A	lateral Construc	ction Approved	None			e)
Uni 9. LAND A 10. PROJE	lateral Constru	ction Approved	None	(N	(Dai	ce)
Uni 9. LAND A 10. PROJE	lateral Construc	ction Approved	None		(Dai	e)
Uni 9. LAND A 10. PROJE CATEGORY CODE	CQUISITION REQUIRED IN 1	ction Approved IRED NEXT FOUR YEAR TITLE MEDICAL	None	COST (\$000)	(Dai	ce)
Uni 9. LAND A 10. PROJE CATEGORY CODE	CQUISITION REQUIRED IN PROJECT	ction Approved IRED NEXT FOUR YEAR TITLE MEDICAL	None RS SCOPE	COST (\$000)	(Dai	ce)
Uni 9. LAND A 10. PROJE CATEGORY CODE	CQUISITION REQUIRED IN PROJECT	ction Approved IRED NEXT FOUR YEAR TITLE MEDICAL	None RS SCOPE	COST (\$000)	(Dai	ce)
Uni 9. LAND A 10. PROJE CATEGORY CODE	CQUISITION REQUIRED IN PROJECT	ction Approved IRED NEXT FOUR YEAR TITLE MEDICAL	None RS SCOPE	COST (\$000)	(Dai	e)
Uni 9. LAND A 10. PROJE CATEGORY CODE	CQUISITION REQUIRED IN PROJECT	ction Approved IRED NEXT FOUR YEAR TITLE MEDICAL	None RS SCOPE	COST (\$000)	(Dai	ce)
Uni 9. LAND A 10. PROJE CATEGORY CODE	CQUISITION REQUIRED IN PROJECT	ction Approved IRED NEXT FOUR YEAR TITLE MEDICAL	None RS SCOPE	COST (\$000)	(Dai	:e)
Uni 9. LAND A 10. PROJE CATEGORY CODE	CQUISITION REQUIRED IN PROJECT	ction Approved IRED NEXT FOUR YEAR TITLE MEDICAL	None RS SCOPE	COST (\$000)	(Dai	ce)

1. COMPONENT FY 1996 GUARD AND RESERVE 2. DATE ANG MILITARY CONSTRUCTION

3. INSTALLATION AND LOCATION

TULSA INTERNATIONAL AIRPORT, OKLAHOMA

11. PERSONNEL STRENGTH AS OF 15 JUL 94

	PERMANENT				GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	375	28	321	26	1,205	110	1,095
ACTUAL	310	22	267	21	1,018	107	911

12. RESERVE UNIT DATA

			STREN	GTH
UNIT DE	ESIGNATION		AUTHORIZED	ACTUAL
138	FG		49	49
138	OPS GP		3	2
138	LOG GP		16	15
138	SPT GP		5	4
138	OPS SQ		22	19
138	MNT SQ	•	447	369
138	LOG SQ		107	. 72
138	SPS		57	50
138	CES		127	111
138	COM SQ		42	42
138	MSF FT		33	32
138	SVS FT		34	29
138	TAC CL		35	34
125	FGT SQ		42	40
125	WEA FL		14	12
219	EI SQ		172	138
		TOTALS	1,205	1,018

TYPE	AUTHORIZED	ASSIGNED	
F-16 Aircraft	15	21	
Support Equipment	167	147	
Vehicle Equivalents	275	279	

1. COMPONENT	l .	96 MILITAR	Y CONSTRUC	TION PROJECT	1-	. DATE
ANG		(com	puter gene	rated)		
3. INSTALLATI			HOMA	4. PROJECT TO COMPOSITE CONFICULITY		NS
5. PROGRAM EI	LEMENT 6.	CATEGORY CO	ODE 7. PRO	JECT NUMBER	8. PROJECT	COST(\$000)
55296F		131-111	XHZ	3001331		\$1,900

9. COST ESTIMATES UNIT COST U/M QUANTITY COST (SOOO) ITEM COMPOSITE COMMUNICATIONS FACILITY 18,600 1,501 SF SF 8,300 115 955) COMMUNICATIONS (105 221) 2,100 BASE PHOTO LABORATORY SF (100 160) SF 1,600 OPS AND TRAINING AREA SF 6,600 25 165) ALTER OPERATIONAL TRAINING FACILITIES 225 SUPPORTING FACILITIES 501 LS UTILITIES 45) LS **PAVEMENTS** LS 30) SITE IMPROVEMENTS PRE-WIRED WORK STATIONS LS 100) 1,726 SUBTOTAL CONTINGENCY (5%) 86 1,812 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5%) 91 1,903 TOTAL REQUEST TOTAL REQUEST (ROUNDED) 1,900

10. Description of Proposed Construction: Masonry walls, concrete foundation and floor slab, steel frame and built-up roof, asphalt driveway and storage area. Functional areas include computer and communications vaults, training areas, and mechanical room.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 18,600 SF ADEQUATE: 0 SUBSTANDARD: 8,036 SF PROJECT: Composite Communications Facility (Current Mission).

REQUIREMENT: The base requires an adequately sized and properly configured facility for communications, data automation, audio-visual services, and customer support. It incorporates a raised floor, secure vault and environmental controls for the data automation function including the message center.

CURRENT SITUATION: The communication vault is extremely small and not constructed to security standards. The telephone center is also too small with inadequate air conditioning and is too crowded for the equipment. The excess heat causes fire alarm activation and violates the National Electric Code and communications and computer safety standards. Required programmed equipment expansion cannot be accommodated. The communications interrelated functions are scattered in six deficient buildings. This degrades training and impedes proper command and control. Three of these buildings cannot be economically upgraded. Upon completion of this project, the following will occur: demolition of building 309 at 718 SF and building 310 at 716 SF in addition to the disposition of a temporary leased facility at 2,115 SF.

IMPACT IF NOT PROVIDED: The operational training and communications facilities remain overcrowded without adequate office or shop space. Safety, security and base support continue to suffer. The twenty man

	1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DA	TE
	3. INSTALLATION A			
-	4. PROJECT TITLE	5.	PROJECT	NUMBER
	COMPOSITE COMMUNIC	CATIONS FACILITY	XHZG0013	31

communications team remains split-up with no training area. The mission support squadron commander and technician continue to be without work and training space. Degraded training and higher operating costs continue. ADDITIONAL: This project also includes the renovation of 814 SF in building 305 for the Judge Advocate and Chaplain functions; 3,354 SF in building 313 for the 125th Weather Flight; and 2,434 SF in building 501 for the Historian, Safety, Public Affairs, and Headquarters functions.

			(computer generated) N AND LOCATION	
			CIONAL AIRPORT OKLAHOMA	T
1. PRO	JECI	TIT	LE	5. PROJECT NUMBER
TOWDOS:	TTE	COKY	UNICATIONS FACILITY	XHZG001331
JOMPOS.	TIE	COMM	ONICATIONS FACILITY	_ KIIBGOO1331
12. St	UPPI	LEMEN	TAL DATA:	
a. I	Esti	mate	ed Design Data:	
	(1)	Sta	itus:	
	(-)		Date Design Started	90 JAN 09
			Percent Complete as of Jan 95	100%
			Date 35% Designed	92 JUL 08
,		(d)	Date Design Complete	94 OCT 15
	, a v	Bas		
	(2)		Standard or Definitive Design -	NO ·
			Where Design Was Most Recently Used -	N/A
		. ,	•	
	(3)		cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
				72 65
		(p)	All Other Design Costs Total	137
			Contract	137
			In-house	
				•
	(4)	Con	struction Start	96 MAY
			•	
			•	
o. Eq	uipn	nent	associated with this project will be provide	ed from
			associated with this project will be provide ations: N/A	ed from
				ed from
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. COMPONE	NT FY	1996 GUARD AND	RESERVE		2. DATE	
ANG	M:	ILITARY CONSTR	UCTION			
	ATION AND LOCAT				4. AREA	
VILL ROGER	S WORLD AIRPORT	OKLAHOMA				INDEX
					0.	92
Four Unit	CY AND TYPE OF Training Assemb Y use by technic	lies per month	, 15 days annu and for train	ual field ning.	trainin	g per
Army Nat	CTIVE/GUARD/RES ional Guard Fac cility, 1 Naval	ilities, 4 Arm	y Reserve Fac:	ilities,	1 Air Fo	erce ity.
7. PROJECT	S REQUESTED IN	THIS PROGRAM:	FY 1996			
CATEGORY	-			COST	DESIGN	STATUS
CODE	PROJECT	TITLE	SCOPE	(\$000)	START	CMPL
101 111 D	ETROLEUM OPERAT	TONS FACTITTY	1,650 SF	400	DEC 93	APR 9
	ERIAL PORT TRAI		17,400 SF			
	OMPOSITE FIRE S		11,800 SF	•		
,						
	ESERVE FORCES F		RD RECOMMENDAT	ION	6 007	
	ESERVE FORCES F ateral Construc		RD RECOMMENDAT	ION	6 OCT	
Unil	ateral Construc	tion Approved	RD RECOMMENDAT	ION	6 OCT	
Unil		tion Approved				e)
Unil	ateral Construc	rtion Approved	None	(1)	(Dat	e)
Unil 9. LAND AC	ateral Construction REQUINTERS PLANNED IN N	Etion Approved	None	COST	(Dat	:e)
Unil 9. LAND AC	ateral Construc	Etion Approved	None	(1)	(Dat	e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUINTERS PLANNED IN N	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None	COST (\$000)	(Dat	e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	:e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	:e)
Unil 9. LAND AC 10. PROJEC CATEGORY CODE	ateral Construction REQUISITION REQUIETS PLANNED IN N PROJECT ADD TO AND ALTER	Etion Approved RED REXT FOUR YEARS TITLE R SECURITY	None S SCOPE	COST (\$000)	(Dat	e)

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	1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
	ANG	MILITARY CONSTRUCTION	

3. INSTALLATION AND LOCATION

WILL ROGERS WORLD AIRPORT OKLAHOMA

11. PERSONNEL STRENGTH AS OF 11 AUG 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	305	30	240	35	1,281	189	1,092
ACTUAL	282	30	218	34	1,167	184	983

12. RESERVE UNIT DATA

			STREN	GTH
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL
137	ALW		51	51
137	ALS		95	101
137	MNT SQ		169	156
137	MSF		34	34
137	MED SQ		52	51
137	APF		65	53
137	CES		134	. 109
137	SVF		34	30
137	SPS		57	55
137	LGS		107	94
137	AEROMD		146	130
205	EIS .		220	190
137	COM FT		40	36
137	OPS GP		5	. 6
137	OSF		18	18
137	LOG GP		7	4 6
137	SPT GP		5	6
HQ	OKANG		27	29
137	ALCEFT		14	12
		TOTALS	1,281	1,167

TYPE	AUTHORIZED	ASSIGNED
C-130H (PAA)	8	8
C-130H (BAI)	2	2
C-130H (OSA)	2	2
Support Equipment	126	100
Vehicle Equivalents	450	449

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA
ANG

(computer generated)

3. INSTALLATION AND LOCATION

WILL ROGERS WORLD AIRPORT OKLAHOMA

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

55296F 171-873 YZEU899778

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
AERIAL PORT TRAINING FACILITY	SF	17,400		1,843
AERIAL PORT TRAINING	SF	14,200	105	(1,491)
AIRLIFT COMMAND ELEMENT	SF	3,200	110	(352)
SUPPORTING FACILITIES				480
UTILITIES	LS			(200)
PAVEMENTS	LS			(190)
SITE IMPROVEMENTS	LS			(20)
DEMOLITION	LS			(20)
PRE-WIRED WORK STATIONS	LS			(50)
SUBTOTAL				2,323
CONTINGENCY (5%)				116
TOTAL CONTRACT COST				2,439
SUPERVISION, INSPECTION AND OVERHEAD (5%)				122
TOTAL REQUEST				2,561
TOTAL REQUEST (ROUNDED)				2,550
		,"		
· ·			.*	
				['

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry and steel framed walls and roof structure. Includes interior and exterior utilities, pavements and site improvements. Building 1017 at 6,720 SF must be demolished to clear the site for the aerial port training facility.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 17,400 SF ADEQUATE: 0 SUBSTANDARD: 11,200 SF PROJECT: Aerial Port Training Facility (Current Mission).
REQUIREMENT: The base requires a facility for air cargo preparation

REQUIREMENT: The base requires a facility for air cargo preparation training and administration of an aerial port squadron in support of 8 C-130H aircraft. For training purposes, cargo is dropped from aircraft, recovered from drop zones, repaired, reassembled, refitted with parachutes and stored for reuse in another training exercise. Preparation area must have cranes for movement of heavy loads, parachute drying tower, parachute sewing, repair and storage space. The facility is also required for the administrative and mobility storage functions of the airlift command element.

CURRENT SITUATION: The aerial port function is conducted in Buildings 1017 and 1023 which are both substandard, semi-permanent sheet metal buildings with a total of 11,200 SF. The buildings are poorly insulated, improperly configured and grossly inadequate for the mission. There are numerous health and safety hazards. The interior utility systems are undersized. The wiring is old and brittle. There are numerous electric and life safety code violations. The mechanical systems are old. Spare parts are no longer available. The roofs leak. The buildings do not have the height or maneuvering space for inside fork lift operation. The movement of the air cargo and equipment is done in a hazardous manner.

\$2,550

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. D	\TE
ANG	(computer generated)		
	ON AND LOCATION ORLD AIRPORT OKLAHOMA		
WILL KOGEKS !	ware and the second sec		
4. PROJECT T	TLE 5.	PROJECT	NUMBER

AERIAL PORT TRAINING FACILITY

The size of the aerial port squadron has increased in both the number of personnel and equipment. The interior configuration does not lend itself to today's concept of operation and training standards. The two facilities do not represent a quality work and training place. Upon completion of this project, Building 1023 at 4,480 SF will be demolished. IMPACT IF NOT PROVIDED: Overcrowded facilities contribute to ineffective and hazardous training of aerial port personnel and a reduced number of aerial delivery loads to train combat crews. Training opportunities are lost. Higher operating costs. Untrained crews could result in missed dropped zones and damage to equipment. Decreased efficiency and readiness.

<u>ADDITIONAL</u>: A life cycle economic analysis has been performed comparing all reasonable options for accomplishing this project. The analysis indicates new construction is the most economical alternative.

YZEU899778

L. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT	2. DATE
ING (computer generated)	DATA
. INSTALLATION AND LOCATION	•
TILL ROGERS WORLD AIRPORT OKLAHOMA	
. PROJECT TITLE	5. PROJECT NUMBER
ERIAL PORT TRAINING FACILITY	YZEU899778
2. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	93 JAN 04
(b) Percent Complete as of Jan 95	65%
(c) Date 35% Designed	94 SEP 30
(d) Date Design Complete	95 APR 28
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	100
(b) All Other Design Costs	54
(c) Total	154
(d) Contract	154
(e) In-house	•
(4) Construction Start	96 MAY
. Equipment associated with this project will be pro	ovided from
other appropriations: N/A	
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2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) 4. PROJECT TITLE 3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT OKLAHOMA COMPOSITE FIRE STATION 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)

YZEU001609 \$1,950 55296F 730-142

9. COST ESTIMATES

7. CODI BUTTUTI			UNIT	COST
ITEM	U/M	QUANTITY		(\$000)
COMPOSITE FIRE STATION	SF	11,800		1,339
FIRE STATION	SF	10,600	115	(1,219)
PHYSICAL FITNESS TRAINING AREA	SF	1,200	100	(120)
SUPPORTING FACILITIES				430
UTILITIES	LS			(200)
PAVEMENTS	LS			(150)
SITE IMPROVEMENTS	LS			(50)
DEMOLITION	LS			(30)
SUBTOTAL				1,769
CONTINGENCY (5%)				88
TOTAL CONTRACT COST				1,857
SUPERVISION, INSPECTION AND OVERHEAD (5%)				93
TOTAL REQUEST				1,950
TOTAL REQUEST (ROUNDED)				1,950
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- Description of Proposed Construction: Reinforced concrete foundation and floor slab with steel framed masonry walls and roof structure. Access pavements, utility systems, site improvements and support. Building 1015 at 1,247 SF must be demolished to clear the site for the fire station. Air Conditioning: 20 Tons.
- 11. REQUIREMENT: 11,800 SF ADEQUATE: 0 SUBSTANDARD: 4,194 SF PROJECT: Composite Fire Station (Current Mission).

REQUIREMENT: An adequately sized and properly configured facility to support fire and crash/rescue operations. It includes apparatus bays, extinguisher maintenance, alarm room, chief's office, technical services, day room, lockers, kitchen and dining areas, classroom and administrative areas, bunkrooms for 24 hour operation of the 8 full time and 24 Unit Training Assembly fire fighters. Also provides space for total base physical fitness program.

CURRENT SITUATION: The 1959 vintage fire station is too small to properly support the fire fighting and crash/rescue operations. Only three of the eight fire vehicles fit into the undersized apparatus bays. The building does not have adequate space for storage of fire fighting agent, bunker gear, and mobility bags. The alarm room is substandard and the facility does not have a classroom. Living conditions for fire fighters working extended hours are grossly substandard. The kitchen area is located in the truck bay area, the bathroom sink is used to wash dishes, and there are no shower facilities. The single bathroom is used by men and women. Risk Assessment Code (RAC) of 2 and a Fire Safety Deficiency (FSD) code of 1 have been assigned to the facility by the authority having jurisdiction. This facility is not a quality work place and will be demolished. The base does not have any indoor physical training area. The small area will

	1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DA	ΔTA	2. DA	TE
	ANG (computer generated)			
	3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT OKLAHOMA			
-	4. PROJECT TITLE	5.	PROJECT	NUMBER
	COMPOSITOR FIRE STRATION		VZE110016	no

allow for a few pieces of aerobic and exercise equipment as part of the base physical training program. Upon completion of this project, Building 1014 at 2,707 SF and Building 1021 at 240 SF, will be demolished.

IMPACT IF NOT PROVIDED: Fire fighting apparatus remains exposed to the weather which accelerates deterioration. Firefighters continue to work in a substandard and unsafe facility. Hardships on the overall fire protection operation continue and jepordizes crash/rescue and fire fighting capabilities. Accept the safety and health risks. Unable to properly train.

(b) Percent Complete as of Jan 95 (c) Date 35% Designed 94 DEC 6 (d) Date Design Complete 95 APR 3 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 11 (d) Contract 11 (e) In-house			ORLD AIRPORT OKLAHOMA	5 DDOTE	משמאווא יףי
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(d) Contract (e) In-house (4) Construction Start 96 July Equipment associated with this project will be provided from		(d)	All Other Design Costs		36
(e) In-house (4) Construction Start 96 July Equipment associated with this project will be provided from		(c)	Total		117
(4) Construction Start 96 JU Equipment associated with this project will be provided from					117
. Equipment associated with this project will be provided from	•	(e)	In-house		
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. COMPONEN	T	FY 1996 GUARD AND				2. DATE	
ANG		MILITARY CONSTI	RUCTION			4. AREA	CONCT
. INSTALL	TION	AND LOCATION					INDEX
ITTSBURGH	INT'	L APT ANG, PENNSYLVANIA					02
					,		<u> </u>
wo Unit Ti	raini	TYPE OF UTILIZATION ng Assemblies per month by technician/AGR forc	, 15 days and e and for tra	nual aini	field t	training	per
Naval Re	serve	/GUARD/RESERVE INSTALLA Center, 1 Army Reserve National Guard Armory	TIONS WITHIN Support Cen	15 ter,	MILE RAI	DIUS Force Re	serve
7. PROJECT	S REC	UESTED IN THIS PROGRAM:	FY 1996		CO.C.	DRETCH	CTATII
CATEGORY			COODS		COST (\$000)	DESIGN	CMPL
CODE		PROJECT TITLE	SCOPE		(3000)	DIMM	0.11.1
211-179 F	PUEL S	SYSTEMS MAINTENANCE	26,300	SF	5,332	MAY 91	OCT
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8. STATE I	RESER'	VE FORCES FACILITIES BO.	ARD RECOMMENT	DATI	ON	30 SE	
Uni	later	al Construction Approve	d	OATI	ON	30 SE (Da	
Uni	later	VE FORCES FACILITIES BO al Construction Approve ITION REQUIRED	ARD RECOMMENT d None	DATI		(Da	te)
Uni:	CQUIS	al Construction Approve	None ·	DATI			te)
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9. LAND AG 10. PROJE CATEGORY	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA	None ·	DATI	(1	(Da	te)
9. LAND A	CQUIS	al Construction Approve	None ·	DATI	COST	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA	None ·	DATI	COST	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)
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9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)
9. LAND AG 10. PROJE CATEGORY CODE	CQUIS	al Construction Approve ITION REQUIRED LANNED IN NEXT FOUR YEA PROJECT TITLE	None ·		COST (\$000)	(Da	te)

2. DATE FY 1996 GUARD AND RESERVE 1. COMPONENT MILITARY CONSTRUCTION ANG

3. INSTALLATION AND LOCATION PITTSBURGH INT'L APT ANG, PENNSYLVANIA

11. PERSONNEL STRENGTH AS OF 12 AUG 94

	PERMANENT					GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	481	61	420	0	1,500	199	1,301
ACTUAL	464	58	406	0	1,577	229	1,348

12. RESERVE UNIT DATA

			STREN	GTH
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL
171	svs		45	43
171	OPS		8	12
171	LGS		18	18
171	SPT	•	5	7
171	OPSPT		44	41
146	ARS		69	74
112	CLINIC		55	48
171	AR		65	87
147	ARS		69	76
171	MS		41	65
171	MAINT		544	548
171	CLINIC		55	51
171	COMM	• .	57	· 55
171	CES	•	134	147
171	SP		118	117
171	LOG		154	170
146	WEA FT		19	18
		TOTALS	1,500	1,577

TYPE	AUTHORIZED	ASSIGNED
KC-135E Aircraft	19	20
Support Equipment	257	255
Vehicle Equivalents	450	450

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRU	•
ANG	(computer gen	nerated)
3. INSTALLATIO	ON AND LOCATION	4. PROJECT TITLE
PITTSBURGH INT	TERNATIONAL AIRPORT (ANG)	FUEL SYSTEMS MAINTENANCE
PENNSYLVANIA		FACILITY
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7. P	ROJECT NUMBER 8. PROJECT COST (\$000)

\$5,332 JLSQ899539 211-179 51411P 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM 3,751 26,300 FUEL SYSTEMS MAINTENANCE FACILITY 23,800 (3,451)FUEL SYSTEMS MAINTENANCE DOCK SF 145 SF 2,500 120 300) FUEL SYSTEMS SHOPS 1,085 SUPPORTING FACILITIES LS 355) UTILITIES LS 230) **PAVEMENTS** SITE IMPROVEMENTS 100) LS 400) LS FIRE SUPPRESSION 4,836 SUBTOTAL 242 CONTINGENCY (5%) TOTAL CONTRACT COST 5,078 254 SUPERVISION, INSPECTION AND OVERHEAD (5%) 5,332 TOTAL REQUEST 5,332 TOTAL REQUEST (ROUNDED)

- Description of Proposed Construction: Reinforced concrete foundation and floor slab; structural steel and masonry with insulated panel walls and roof structure. Concrete retaining walls. All utilities, access pavements, site improvements, fire suppression and support. Air Conditioning: 15 Tons.
- REQUIREMENT: 26,300 SF ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Fuel Systems Maintenance Facility (New Mission). REQUIREMENT: The base needs a facility for the repair of aircraft fuel systems and the washing of aircraft. Functional areas include fuel cell hangar bay/washrack, fuel bladder repair shop, support shop space, and approach aprons to the hangar. Work must be performed indoors to keep dust and debris from entering the fuel cells/bladders and to meet environmental statutes.

CURRENT SITUATION: The unit does not have a facility to perform fuel cell maintenance on the KC-135 aircraft. Weather conditions and environmental regulations mandate that fuel cell maintenance be performed indoors since it requires that the aircraft have fuel bladders and cells open for a considerable time. The work is now being performed in a hangar and on the ramp, weather permitting. Both locations are violations of aircraft technical orders and result in environmental non-compliance. The ramp does not have the proper containment for fuel spills. Fuel on the ramp is washed down and ends up in the nearby stream which runs off base. This violates federal and state regulations involving the Clean Water Act. If fuel cell work is done in the hangar, other hangar operations must be totally shut down. The building does not have explosion proof fixtures, a fume extraction system, or a containment system for fuel spills. IMPACT IF NOT PROVIDED: Fuel cell maintenance is not being performed on

1. COMPONENT	FY 1996		NSTRUCTION PROJ	ECT DATA	2. DATE
ANG 3. INSTALLATION	N AND LOCAT		generated)		
DIMMODIDOU INM	PDNATTONAT	ATDDODT /ANG	G) PENNSYLVANIA		
4. PROJECT TIT		AIRPORT (AND	FERNSILVANIA	5. I	PROJECT NUMBER
					T 40000E30
FUEL SYSTEMS M	AINTENANCE	FACILITY			TLSQ899539
environmental : maintenance an unfavorable pu ADDITIONAL: A:	regulations d inadequat blicity if n exception his project	s. Violation te training. a fuel spill to the econ	s is degraded. n of technical of The Air Nation l is not contain nomic analysis nat there is no a	orders. In nal Guard on ned. requirement	nadequate could receive t has been
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	ECT TI		5. PROJECT NUMBER
IEL SY	STEMS I	MAINTENANCE FACILITY	JLSQ899539
2. SU	PPLEME	NTAL DATA:	
a. E	stimat	ed Design Data:	
(1) St		
		Date Design Started	91 MAY 07
		Percent Complete as of Jan 95	100%
		Date 35% Designed Date Design Complete	94 JAN 30 94 OCT 01
	(a)	pare pesidu combiece	34 OCT 01
(2) Ba		NO
		Standard or Definitive Design - Where Design Was Most Recently Used -	NO N/A
	(D)	where pesign was most recently used -	M/A
(tal Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	200
		All Other Design Costs	70
		Total	270 270
		Contract In-house	. 270
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(4) Co	nstruction Start	96 MAY
		•	
		associated with this project will be provide	ed from
		associated with this project will be provide iations: N/A	ed from
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1. COMPOR		FY 1996 GUARD AMILITARY CONS				Z. DATE	•
3. INSTAI	3. INSTALLATION AND LOCATION JOE FOSS FIELD ANG, SOUTH DAKOTA 5. FREQUENCY AND TYPE OF UTILIZATION						CONSTI INDEX 10
Twelve mo	onthly a	O TYPE OF UTILIZATION assemblies per year alore utilized for required the second of th	ed readiness	essa tra	ry local ining.	annual Daily us	field se is
		GUARD/RESERVE INSTALL Guard Armory and 1 Ar					
7. PROJEC		JESTED IN THIS PROGRAM	: FY 1996		COST	DESIGN	
CODE		PROJECT TITLE	SCOPE		(\$000)	START	CMPL
442-758	BASE ST	JPPLY COMPLEX	35,400	SF	4,000	SEP 91	FEB 9
	•						
		FORCES FACILITIES BO	*	DATI	ON	9 NOV	
Un:	ilatera:	• •	*	IDATI		(Dat	e)
Un:	ilatera: ACQUISI:	l Construction Approve	None	IDATI			e)
9. LAND	ilatera	Construction Approve	None	IDATI		(Dat	e)
9. LAND A	ilatera	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE E MAINTENANCE AND AGE	None RS	•	COST	(Dat	e)
9. LAND A 10. PROJICATEGORY CODE	ilatera: ACQUISIT ECTS PLA VEHICLI	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE E MAINTENANCE AND AGE	None RS SCOPE	•	COST (\$000)	(Dat	e)
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9. LAND A	ilatera: ACQUISIT ECTS PLA VEHICLI	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE E MAINTENANCE AND AGE	None RS SCOPE	•	COST (\$000)	(Dat	e)
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9. LAND A 10. PROJICATEGORY CODE	ilatera: ACQUISIT ECTS PLA VEHICLI	Construction Approve FION REQUIRED ANNED IN NEXT FOUR YEA PROJECT TITLE E MAINTENANCE AND AGE	None RS SCOPE	•	COST (\$000)	(Dat	e)

1. COMPONENT ANG	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATIO	N AND LOCATION	
JOE FOSS FIELD	ANG, SOUTH DAKOTA	

11. PERSONNEL STRENGTH AS OF 8 AUG 94

		PER	MANENT			GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	307	26	280	1	1,042	112	930
ACTUAL	307	26	280	1	991	109	882

12. RESERVE UNIT DATA

			STRENGTH		
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL	
114	OG.		3	3	
114	SVF		27	26	
114	LG		16	13	
114	SG	*	5	4	
114	OSF		25	19	
114	FG		49	45	
175	FS		42	43	
114	MSF		33	31	
114	MAS		447	397	
114	MED SQ		35	34	
114	CES		131	124	
114	SPS		. 57	56	
114	LS	•	107	96	
114	CF		. 42	36	
114	HQSDNG		23	. 22	
8114	STU FT		0	42	
3221		TOTALS	1,042	991	

TYPE	<u>AUTHORIZED</u>	ASSIGNED
F-16 Aircraft	15	22
C-12 Aircraft	1	1
Support Equipment	309	285
Vehicle Equivalents	391	391

1. COMPONENT								2	. DATE
	FY 1	996 MILIT	ARY CO	NSTRUC	TION	PROJECT	DAT	ra	
ANG		(C	ompute	er gene	rated	l)			
3. INSTALLATI	ON AND L	OCATION			4. P	PROJECT 1	riti	LE	
JOE FOSS FIEL	D ANG SO	UTH DAKOT	A		BASE	SUPPLY	CON	MPLEX	
5. PROGRAM EL	EMENT 6.	CATEGORY	CODE	7. PRO	JECT	NUMBER	8.	PROJECT	COST(\$000)
55296F		442-758		LUX	C0013	189			\$4,000

332 JUF	342 /30	1070001303		. •	7 1 / 0 0 0			
9. COST ESTIMATES								
				UNIT	COST			
	ITEM	U/M	QUANTITY	COST	(\$000)			
BASE SUPPLY COMPLEX	ζ	SF	35,400		3,035			
BASE SUPPLY AND I	EQUIPMENT WAREHOUS	E SF	29,000	95	(2,755)			
BASE SUPPLY AND I	EQUIPMENT SHED	SF	4,000	40	(160)			
ALTER BASE HAZARI	OOUS STORAGE BUILD	ING SF	2,400	50	(120)			
SUPPORTING FACILITY	IES				600			
UTILITIES		LS			(100)			
PAVEMENTS AND ACC	CESS ROAD	LS			(250)			
SITE IMPROVEMENTS	5	LS			(50)			
PRE-WIRED WORK S'	PATIONS	LS			(200)			
SUBTOTAL			ļ		3,635			
CONTINGENCY (5%)		į			182			
TOTAL CONTRACT COST	r	İ			3,817			
SUPERVISION, INSPEC	SUPERVISION, INSPECTION AND OVERHEAD (5%)				191			
TOTAL REQUEST					4,008			
TOTAL REQUEST (ROU	NDED).				4,000			
•				,				
. :								
i		l l	1	l I				

- 10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Steel framed masonry walls and insulated roof structure. Shed shall be pre-engineered metal building. Provide all utilities, pavements/road and site improvements. Alter Building 44 for hazardous storage by rearranging walls and utilities and providing fire protection. Air Conditioning: 30 Tons.
- 11. REQUIREMENT: 35,400 SF ADEQUATE: 0 SUBSTANDARD: 31,067 SF PROJECT: Base Supply Complex (Current Mission).

REQUIREMENT: The base requires a properly sized and adequately configured supply and equipment warehouse with adequate floor space and height to accommodate the day to day storage of spare parts, war readiness supply kits (WRSK), mobility bags, administrative space, and other miscellaneous supply functions.

CURRENT SITUATION: The base supply facility does not have enough space to support the mission. The structure is approximately 40 years old with a floor to ceiling height of only 12 feet. There is no loading/ unloading dock. The low ceiling space prevents the proper shelf space necessary to store aircraft spare parts and other support supply items. Administration space is inadequate. The heating and air conditioning systems are not correctly sized. The severe shortage of floor space results in supply items being stored outside. These materials normally should be stored inside. As a temporary workaround to the storage space, the shelving units have been moved closer together. This has compromised safety by reducing the safety clearance for fork lift operation between the aisles. The personnel must do the jobs manually versus using machines and result in the potential for personnel injuries. In addition, space for other supply functions are forced to double up in their assigned work spaces.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ANG	(computer generated)	
	N AND LOCATION ANG SOUTH DAKOTA	·
4. PROJECT TIT	LE 5.	PROJECT NUMBER
BASE SUPPLY CO	MPLEX	LUXC001389

This is barely acceptable during the normal work week, but becomes unworkable during weekend training periods. The facility is not a quality work place. Upon completion of this project, the following will be demolished: Building 42 at 20,452 SF, Building 43 at 630 SF, and Building 63 at 7,585 SF for a total of 28,667 SF.

IMPACT IF NOT PROVIDED: The supply functions continue in an overcrowded and poorly functioning facility degrading the units training, mission effectiveness and support. Some supplies continue to be stored outside subject to spoilage and degradation. Safety hazards continue. Unit morale is affected. Safety is compromised and efficiency is lost. ADDITIONAL: A life cycle economic analysis has been performed comparing all reasonable options for accomplishing this project. The analysis indicates that new construction is the most economical alternative.

. COMPONENT		2.	DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA	
MG	(computer generated)		
. INSTALLATIO	N AND LOCATION		
OE FOSS FIELD	ANG SOUTH DAKOTA		
. PROJECT TIT		5. PROJEC	CT NUMBER
BASE SUPPLY CO	MDI EY	LUXC00	11389
MSE SUPPLI CC	MPLLEX	Долеон	31307
2. SUPPLEMEN	TAL DATA:		
a. Estimate	d Design Data:		
. (1) Sta	tus:		
• •	Date Design Started	9	91 SEP 10
(b)	Percent Complete as of Jan 95		1009
(0)	Date 35% Designed	•	93 DEC 30
(d)	Date Design Complete	Ġ	94 FEB 18
(2) Bas	is:	•	
(a)	Standard or Definitive Design -		NO
(b)	Where Design Was Most Recently Used -		N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
(a)			190
(b)	All Other Design Costs		71
(c)	Total	:	263
(d)	Contract		261
(e)	In-house		
(4) Con	struction Start	·	96 MA
• •			
	,		
. Equipment	associated with this project will be provide	ded from	

1	1. COMPONENT	FY 1996 GUARD ANI					2. DATE	
4	ANG	MILITARY CONST	RUCTI	ON			4 3555	CONCER
	3. INSTALLATION						1	CONSTR
	MCGHEE TYSON A	IRPORT TENNESSEE				•		INDEX
+	c specialist N	NO BUDE OF HIMTE TO SUCK					0.	90
		ND TYPE OF UTILIZATION	. 15			-1 6:-14		
		ning assemblies per month					CLAININ	ig per
	year, dally use	e by technician/AGR force	e and	for ti	caln	ing.		
								Į
								1
	6 OTHER ACTIVI	E/GUARD/RESERVE INSTALLA	TTONS	WITHI	v 15	MTLE RA	DTUS	,
		l Guard Armories, 1 Army						Marine
		Unit and 1 Coast Guard Re			L			
							•	
1		QUESTED IN THIS PROGRAM:	FY	1996				
	CATEGORY	•				COST .	DESIGN	STATUS
	CODE	PROJECT TITLE		SCOPE		(\$000)	START	CMPL
	721-000 PMEC	SCHOOL TRAINING QUARTERS		40,000	SF	4,400	SEP 89	JUN 91
								• •
) .	•						
		•						
1	8. STATE RESER	VE FORCES FACILITIES BOA	RD RE	COMMENI	DATI	ON		
•	,	VE FORCES FACILITIES BOAR		COMMENI	DATI	ON	24 FEE	3 94
1	Unilater	al Construction Approved		COMMENI	DATI	ON	24 FEE	
	,	al Construction Approved			DATI		(Dat	:e)
	Unilater	al Construction Approved	Non		DATI			:e)
1	Unilater 9. LAND ACQUIS 10. PROJECTS P	al Construction Approved	Non		DATI	. (N	(Dat	:e)
1	Unilatera 9. LAND ACQUIS 10. PROJECTS PRO	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR	Non	е	DATI	COST	(Dat	:e)
	Unilater 9. LAND ACQUIS 10. PROJECTS P	al Construction Approved	Non		DATI	. (N	(Dat	:e)
	Unilater 9. LAND ACQUIS 10. PROJECTS	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE	Non	e SCOPE		COST	(Dat	:e)
1 1	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	е		COST (\$000)	(Dat	:e)
1	Unilater 9. LAND ACQUIS 10. PROJECTS PROJECTS PROJECTS CODE 217-712 AVION	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)
	Unilater: 9. LAND ACQUIS: 10. PROJECTS PROJECT	al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR: PROJECT TITLE ICS SHOP	Non	e SCOPE	SF	COST (\$000)	(Dat	:e)

1. COMPONENT ANG	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATIO	ON AND LOCATION AIRPORT TENNESSEE	

11. PERSONNEL STRENGTH AS OF 29 JUN 94

	PERMANENT				GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	429	57	359	13	1,380	148	1,232
ACTUAL	424	56	356	12	1,314	153	1,161

12. RESERVE UNIT DATA

ONII DAI			STRENGTH				
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL			
134	OPG		6	6			
134	OSF		33	28			
134	ARG		55	56			
134	ARS		73	70			
134	LGP		12	11			
134	MAS		290	279			
134	LMS		107	99			
134	SGP		5	5			
134	SVF	•	27	27			
134	MSF	•	34	33			
134	CF		44	. 39			
134	SPS		75	73			
134	CES		141	143			
134	MED		59	61			
572	AFB	.•	. 36	. 28			
228	CCS		172	147			
110	ACS		90	92			
119	ACS		121	117			
		TOTALS	1,380	1,314			

TYPE	AUTHORIZED	ASSIGNED
KC-135 Aircraft	10	10
Support Equipment	92	92
Vehicle Equivalents	342	342

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE PMEC SCHOOL TRAINING QUARTERS MCGHEE TYSON AIRPORT TENNESSEE 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 721-000 PSXE001345 \$4,400 55296F 9. COST ESTIMATES UNIT COST **QUANTITY** COST (\$000) ITEM U/M 3,400 40,000 PMEC SCHOOL TRAINING OUARTERS SF 600 SUPPORTING FACILITIES 200) UTILITIES LS **PAVEMENTS** LS 100) LS 100) SITE IMPROVEMENTS 200) LS FIRE SUPPRESSION 4,000 SUBTOTAL CONTINGENCY (5%) 200 TOTAL CONTRACT COST 4,200 SUPERVISION, INSPECTION AND OVERHEAD (5%) 210 4,410 TOTAL REQUEST 4,400 TOTAL REQUEST (ROUNDED)

- 10. Description of Proposed Construction: Concrete foundations and floor slab, steel framed masonry walls and built-up roof. Includes utilities, access pavements, site improvements, fire protection, and support. Air Conditioning: 25 Tons.
- REQUIREMENT: 130,000 SF ADEQUATE: 90,000 SF SUBSTANDARD: 23,270 SF PROJECT: PMEC School Training Quarters (Current Mission). REQUIREMENT: In FY 87 Congress directed that beginning in FY 88 the ANG MILCON program include projects to expand and upgrade the Professional Military Education Center (PMEC). The ANG conducts the education and management programs for its enlisted/officer personnel and specialized courses tailored to the needs of the citizen soldier work force. Proper facilities are needed to meet the training. The facility upgrade program has been stretched out over the period due to decreased MILCON funds in the budget. This project completes the student training quarters construction program. Expanded and new ANG missions have generated a significant increase in students attending PMEC and doubled the required courses they take. As the Active Forces reduce in size, many personnel leave the service and join the Air National Guard. They must be trained in the unique mission of the ANG.

CURRENT SITUATION: The facility is a temporary wood framed structure built in the early 1950's. It is grossly substandard in terms of construction, function, efficiency, and space. It has numerous health and fire code violations. The quarters are not considered a quality living and training area. All other student quarters have been replaced with the exception of this facility. The base is receiving numerous complaints from students who are forced to occupy these grossly antiquated buildings. The rooms are poorly configured and cannot be economically modified for

11.

1. COMPONENT		2. DATE
ANG	FY 1996 MILITARY CONSTRUCTION (computer generate	
3. INSTALLATIO	ON AND LOCATION AIRPORT TENNESSEE	
4. PROJECT TI	CLE	5. PROJECT NUMBER
PMEC SCHOOL TI	RAINING QUARTERS	PSXE001345

student training. The rooms are poorly insulated have very poor acoustics. The facility does not have a fire protection system that meets the fire codes. It is poorly insulated and has asbestos. The electrical system violates the code and cannot support the load. The interior and exterior utilities are old and deteriorated. Frequent roof leaks have caused extensive interior water damage. The building siding is made of asbestos. Parts of the siding are broken. Matching tiles cannot be found. The bathrooms have antiquated fixtures and old and corroded utility lines. The windows allow considerable air infiltration. The heating system is deteriorated. The boilers are undersized. Upon completion of this project, Building 225 at 23,270 SF will be demolished. IMPACT IF NOT PROVIDED: Improper accommodations for the students impedes the training environment and degrades readiness. Health and safety hazards remain. Excessive costs to operate and maintain the structure. ADDITIONAL: A life cycle economic analysis has been prepared comparing all reasonable options for accomplishing this project. The analysis indicates that new construction is the most economical alternative.

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. PRO				5. PROJECT NUMBE
MEC S	CHO	ነ፤. ጥፑ	RAINING QUARTERS	PSXE001345
MEC L	,0110	/13 11	within Country of	
2. 5	UPPI	LEMEN	ITAL DATA:	
a.	Est:	Lmate	ed Design Data:	
	(1)		atus:	
			Date Design Started	89 SEP 1
			Percent Complete as of Jan 95	100
			Date 35% Designed	90 DEC 3
		(a)	Date Design Complete	91 JUN 3
	(2)	Bas		
			Standard or Definitive Design -	NO
		(p)	Where Design Was Most Recently Used -	N/A
	(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$00
			Production of Plans and Specifications	14
			All Other Design Costs	6
			Total	21
. •	•		Contract	· 21
		(e)	In-house	•
	(4)	Con	nstruction Start	96 MA
). Eq	guips	nent	associated with this project will be provide	d from
ther	app	copri	Lations: N/A	
701102				
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JU1102				
		,		

1. COMPONENT	FY 1996 GUARD A			2. DATE	
ANG	MILITARY CONS	TRUCTION		4. AREA	CONCET
3. INSTALLATION		7DE			INDEX
MEMPHIS INTERNA	ATIONAL AIRPORT, TENNES	SEE			1NDEX 91
	ID TYPE OF UTILIZATION			0.	91
	assemblies per year, 1 e by technician/AGR for			ning per	
	C/GUARD/RESERVE INSTALL				
	Guard Facility, 1 Nav				
	. :				
7. PROJECTS REC	QUESTED IN THIS PROGRAM	: FY 1996			
CATEGORY			COST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
	AND ALTER BASE ENGINE	ER 18,700 SF	990	MAY 93	JUN 95
730-835 ADD TO	AND ALTER SECURITY DE OPERATIONS FACILITY	6,620 SF	1,100	NOV 92	FEB 94
	· · · · · · · · · · · · · · · · · · ·				
,	•		•	•	
· · · · · · · · · · · · · · · · · · ·				•	
*	/E FORCES FACILITIES BO		ION		
Unilatera	al Construction Approve	d ·		24 FEB (Dat	
9. LAND ACQUIS	TION REQUIRED	None		12-13	
-	_		(N	umber of	Acres
10. PROJECTS PI	ANNED IN NEXT FOUR YEA	RS			
CATEGORY			COST		
CODE	PROJECT TITLE	SCOPE	(\$000)		
					
					•

-	1. COMPONENT	FY 1996 GUARD AND RESERVE	2.	DATE
	ANG	MILITARY CONSTRUCTION		

3. INSTALLATION AND LOCATION

MEMPHIS INTERNATIONAL AIRPORT, TENNESSEE

11. PERSONNEL STRENGTH AS OF 1 AUG 94

	PERMANENT				GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	236	4	55	177	1,113	125	988
ACTUAL	223	4	51	168	1,041	119	922 .

12. RESERVE UNIT DATA

				STREN	GTH
UNIT DE	SIGNA	TION		AUTHORIZED	ACTUAL
155	AS			113	109
164	MAPS	3		101	99
164	CS			42	42
164	SPS			57 ·	61
164	MEDS	\$		69	56
164	MS			320	283
164	LS			107	100
164	MPF			32	30
164	AG			55	51
164	CES			134	118
164	SVF		·	25	21
164	OG			6	6
8164	STU	FT ·		8	. 25
164	LG			′ 7	7
164	SPG			5	4
164	oss			32	29
			TOTALS	1,113	1,041

TYPE	AUTHORIZED	ASSIGNED
C-141 Aircraft	8	8
Support Equipment	128	128
Vehicle Equivalents	274	262

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCT	TION PROJECT DATA	
ANG	(computer gener	rated)	
3. INSTALLATION	N AND LOCATION	4. PROJECT TITLE	
		ADD TO AND ALTER BASE	ENGINEER
MEMPHIS INTERNA	ATIONAL AIRPORT TENNESSEE	MAINTENANCE COMPLEX	
5. PROGRAM ELEM	MENT 6. CATEGORY CODE 7. PRO-	JECT NUMBER 8. PROJEC	CT COST(\$000)

55296F 219-944 PYKL919594 \$990

9. COST ESTIMATES

9. COST ESTIMAT	E S			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
BASE CIVIL ENGINEER MAINTENANCE COMPLEX	SF	18,700		731
ADD TO BASE ENGINEER SHOPS	SF	4,500	85	(383)
ADD TO STORAGE SHED	SF	250	72	(18)
ALTER BASE ENGINEER SHOPS	SF	10,200	25	(255)
ALTER STORAGE SHED	SF	3,750	20	(75)
SUPPORTING FACILITIES	.			170
UTILITIES	LS			(40)
PAVEMENTS	LS		•	(75)
SITE IMPROVEMENTS	LS			(20)
PRE-WIRED WORK STATIONS	LS			(<u>35</u>)
SUBTOTAL				901
CONTINGENCY (5%)				. 45
TOTAL CONTRACT COST				946
SUPERVISION, INSPECTION AND OVERHEAD (5%)				47
TOTAL REQUEST				993
TOTAL REQUEST (ROUNDED)				990
			*	•
· ·				

10. Description of Proposed Construction: Addition: Reinforced concrete foundation and floor slab, masonry and reinforced concrete walls and roof system. Exterior to match existing. Alteration: Relocate and extend walls and utilities. Construct metal building addition with concrete floor for storage. All utilities, pavements, fencing and necessary support.

Air Conditioning: 5 Tons.

11. REQUIREMENT: 18,700 SF ADEQUATE: 0 SUBSTANDARD: 13,950 SF PROJECT: Add to and Alter Base Engineer Maintenance Complex (Current Mission).

REQUIREMENT: The base requires an adequately sized and properly configured base civil engineering maintenance complex for the day-to-day maintenance and operation of the base facilities and to train for the wartime mission of the squadron. Functional areas are required for administration, training, work/material control, operations and planning, real property, material/ files storage, reproduction, engineering inspection; masonry, carpentry, plumbing, sheet metal/welding, HVAC, electrical, environmental, and power production shops.

CURRENT SITUATION: The base civil engineering shops operate from a structurally sound but grossly undersized and poorly configured facility. Some shops are too small. Others are poorly arranged. The building has health, safety, and fire code violations. The hallways are used for storage. The utility systems are old and undersized. There are insufficient bathrooms for both male and female occupants. There is insufficient storage area. There are no training classrooms. The building was sized for a smaller work force. Construction materials, that normally should be stored inside, are stored outside. The materials

1. COMPONENT		2. DATE
ANG	FY 1996 MILITARY CONSTRUCTION PROJECT (computer generated)	DATA
3. INSTALLATIO	N AND LOCATION	
MEMPHIS INTERN	ATIONAL AIRPORT TENNESSEE	
4. PROJECT TIT	LE	5. PROJECT NUMBER
ADD TO AND ALT	ER BASE ENGINEER MAINTENANCE COMPLEX	PYKL919594
deteriorate.	The facility does not represent a qualit	y work and training
place.		
IMPACT IF NOT	PROVIDED: The training and efficiency o	f engineering and
services perso	nnel is severely impacted. Very ineffic	ient operation.
Lost training	opportunities. Poor supply discipline.	Higher operating

cost. Accept the risk for the health and safety and fire code violations.

NG		ENT	FY 1996 MILITARY CONSTRUCTION PROJECT I	DATA	2. DATE	
EMPHIS INTERNATIONAL AIRPORT TENNESSEE PROJECT TITLE DD TO AND ALTER BASE ENGINEER MAINTENANCE COMPLEX 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (d) Date Design Complete (e) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (c) Total (d) Production of Plans and Specifications (d) Contract (e) In-house (4) Construction Start PYKL919594 5. PROJECT NUMBER 93 MAY 20 (93 MAY 20 (94 AUG 01 (95 JUN 01 NO (10 Production Definitive Design - (11 Production Of Plans and Specifications (12 Production Of Plans and Specifications (13 Production Of Plans and Specifications (14 Construction Start (15 PROJECT NUMBER (16 PYKL919594 PYKL919594 PYKL919594 PYKL919594 (95 JUN 01 Status: (10 Production Of Plans All Productions (20 Production Of Plans All Productions (30 Production Of Plans All Productions (40 Production Of Plans All Productions (41 Production Of Plans All Productions (42 Production Of Plans All Productions (43 Production Of Plans All Productions (44 Production Of Plans All Productions (45 Production Of Plans All Productions (46 Production Of Plans All Productions (47 Production Of Plans All Productions (48 Production Of Plans All Productions (49 Production Of Plans All Productions (40 Production Of Plans All Productions (41 Production Of Plans All Productions (42 Production Of Plans All Productions (43 Production Of Plans All Productions (44 Production Of Plans All Productions (45 Production Of Plans All Productions (50 Production Of Plans All Productions (50 Production Of Plans All Productions (50 Production Of Plans All Productions (50 Production Of Plans All Productions (50 Production Of Plans All Productions (50 Production Of Plans All Productions (50 Production Of Plans All Productions (60 Production Of Plans All Productions (61 Production Of Plans All Productions (62 Production Of Plans All Productions (63 Production Of Plans All Productions (64 Produc	NG					
DD TO AND ALTER BASE ENGINEER MAINTENANCE COMPLEX 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (b) Where Design Was Most Recently Used - (d) Production of Plans and Specifications (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 5. PROJECT NUMBER PYKL919594 5. PROJECT NUMBER PYKL919594 5. PROJECT NUMBER PYKL919594 5. PROJECT NUMBER PYKL919594 8 93 MAY 20 65% 65% 95 JUN 01 61 62 62 64 65 66 67 68 69 69 60 60 60 60 60 60 60 60	. INSTAL	LATIO	N AND LOCATION			
DD TO AND ALTER BASE ENGINEER MAINTENANCE COMPLEX 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (e) Date Design Complete (f) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (s) Total (a) Production of Plans and Specifications (a) Production of Plans and Specifications (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	EMPHIS I	NTERN	ATIONAL AIRPORT TENNESSEE			
2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete 95 JUN 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (5) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 JUN Equipment associated with this project will be provided from	. PROJEC	T TIT	LE	5. PR	ROJECT NUI	1BER
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (d) Date Design Complete (e) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (b) Where Design Was Most Recently Used - (c) Total (d) Contract (e) In-house (4) Construction Start (5) Standard Or Definitive Design - (c) Total (d) Contract (e) In-house (5) JUN (5) JUN (6) JUN (7) JUN (8) JUN (9) JUN	DD TO AN	D ALT	ER BASE ENGINEER MAINTENANCE COMPLEX	PY	KL919594	
(1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) MAY 20 (6) MAY 20 (6) SMAY 20 (6) SMAY 20 (6) SMAY 20 (6) SMAY 20 (6) Whay 20 (8) MAY 20 (8) MAY 20 (9) Aug 01 (8) NO N/A (9) NO (\$000 44 (b) All Other Design Costs (6) (6) Total (6) Contract (6) In-house	2. SUPP	LEMEN	TAL DATA:			
(a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete 95 JUN 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (5) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) JUN 96 JUN 18 19 19 19 19 19 19 19 19 19	a. Est	imate	ed Design Data:			
(b) Percent Complete as of Jan 95 (c) Date 35% Designed 94 AUG 01 (d) Date Design Complete 95 JUN 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 44 (b) All Other Design Costs 18 (c) Total 62 (d) Contract 62 (e) In-house (4) Construction Start 96 JUN	(1)	Sta	itus:			
(c) Date 35% Designed 94 AUG 01 (d) Date Design Complete 95 JUN 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 44 (b) All Other Design Costs 18 (c) Total 62 (d) Contract 62 (e) In-house (4) Construction Start 96 JUN		(a)	Date Design Started		93 MA	20
(d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 44 (b) All Other Design Costs 18 (c) Total 62 (d) Contract 62 (e) In-house (4) Construction Start 96 JUN		(b)	Percent Complete as of Jan 95			65%
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 44 (b) All Other Design Costs 18 (c) Total 62 (d) Contract 62 (e) In-house (4) Construction Start 96 JUN		(c)	Date 35% Designed		94 AU	3 01
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0000 (a) Production of Plans and Specifications 44 (b) All Other Design Costs 18 (c) Total 62 (d) Contract 62 (e) In-house (4) Construction Start 96 JUN		(d)	Date Design Complete		95 JU	01
(b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications 44 (b) All Other Design Costs 18 (c) Total 62 (d) Contract 62 (e) In-house (4) Construction Start 96 JUN Equipment associated with this project will be provided from	(2)					
(3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 56 76 76 79 70 70 70 70 70 70 70 70 70						
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 44 62 64 65 67 68 79 70 70 70 70 71 71 72 73 74 75 76 76 76 77 78 78 78 78 78 78		(p)	Where Design Was Most Recently Used -		N/A	•
(b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 JUN Equipment associated with this project will be provided from	(3)				(
(c) Total 62 (d) Contract 62 (e) In-house 96 JUN Equipment associated with this project will be provided from						
(d) Contract (e) In-house (4) Construction Start 96 JUN Equipment associated with this project will be provided from						
(e) In-house (4) Construction Start 96 JUN Equipment associated with this project will be provided from				•	•	
(4) Construction Start 96 JUN Equipment associated with this project will be provided from	,			,		02
. Equipment associated with this project will be provided from		(e)	in-nouse		* .	
	•	•				TITAL
	. (4)	Con	struction Start		96	OON
	(4)	Con	struction Start		96	·
ther appropriations: N/A	(4)	Con	struction Start	· .	96	
	. Equip	oment	associated with this project will be provi	ided fro		
	. Equip	oment	associated with this project will be provi	ided fro		
	. Equip	oment	associated with this project will be provi	ided fro		
	. Equip	oment	associated with this project will be provi	ided fro		
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	. Equip	oment	associated with this project will be provi	ided fro		
	. Equip	oment	associated with this project will be provi	ided fro		

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRU	CTION PROJECT DATA	
ANG	(computer ger	nerated)	
3. INSTALLATIO	N AND LOCATION	4. PROJECT TITLE	
		ADD TO AND ALTER SEC	URITY
MEMPHIS INTERN	ATIONAL AIRPORT TENNESSEE	POLICE OPERATIONS FA	CILITY
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7. PR	ROJECT NUMBER 8. PROJE	CT COST(\$000)

55296F 730-835 PYKL919592 \$1,100

_	55296F	/30-835	PYKL91	9592		Ä	7 , 10	50
-		9. CO	ST ESTIMATE	S				
•						UNIT	CC	OST
		ITEM		U/M	QUANTITY	COST	(\$0	000)
	ADD TO AND ALTER SE	CURITY POLICE						
	OPERATIONS FACILITY	•		SF	6,620			646
	ADD TO SECURITY P	OLICE		SF	5,300	105	(557)
	ALTER SECURITY PO	LICE		SF	1,200	60	(72)
	TRAFFIC CHECK HOU	SE		SF	120	140	(17)
	SUPPORTING FACILITI	ES			1	1		345
	UTILITIES			LS	'		(100)
	PAVEMENTS/ROAD			LS			(150)
	SITE IMPROVEMENTS	/FENCING		LS			(70)
	PRE-WIRED WORK ST	ATIONS		LS	ļ		(_	<u>25</u>)
	SUBTOTAL				1	i		991
	CONTINGENCY (5%)							50
	TOTAL CONTRACT COST						:	1,041
	SUPERVISION, INSPEC	TION AND OVERHE	AD (5%)					52
	TOTAL REQUEST				·			1,093
	TOTAL REQUEST (ROUN	DED)		1.	. '		٠ :	1,100
						·		
	•	,		1				

- 10. Description of Proposed Construction: Concrete block with exterior brick veneer to match existing building. Includes offices, restrooms, classrooms, mechanical room, all utilities, parking, site improvements, traffic check house, and security fence system. Alterations to Building 472 include rearranging and extending walls plus utilities. Air Conditioning: 15 Tons.
- 11. REQUIREMENT: 6,620 SF ADEQUATE: 0 SUBSTANDARD: 3,326 SF PROJECT: Add to and Alter Security Police Operations Facility (Current Mission).

REQUIREMENT: The base requires a centralized security police and weapons storage facility with adequate storage space for both operations near the main gate. Project includes offices, restrooms, arms vault, classroom, and CATM functions. A properly located traffic check gate house is required.

CURRENT SITUATION: The security police are operating from two dispersed locations, Building 400 and Building 504. In Building 400, which is the headquarters, the security police occupy 1,976 SF out of 21,955 SF. The space in the headquarters building is needed to consolidate headquarters type functions which now are scattered in various other buildings. Building 504 is only 1,200 SF and is grossly undersized. During the training periods, as well as the day to day operations, the cramped space and split locations lead to a loss of training. The existing gate house location causes traffic to back up onto the highway right-of-way when vehicles are stopped from coming onto the installation. It is a traffic hazard. Between the two buildings the security police occupy less than 50% of the minimum required space. This project is in accordance with the approved master development plan. Upon completion of this project, the

ANG (computer generated)		
3. INSTALLATION AND LOCATION MEMPHIS INTERNATIONAL AIRPORT TENNESSEE		
4. PROJECT TITLE	5. PF	ROJECT NUMBER
ADD TO AND ALTER SECURITY POLICE OPERATIONS FACILITY	PY	KL919592

following buildings will be demolished: 462 and 482 for a total of 2,126 SF.

IMPACT IF NOT PROVIDED: It will adversely affect the security police training program due to lack of training and storage area. Inadequate work place lowers unit morale and degrades training. Severe traffic hazard at the main gate continues.

NG			FY 1996 MILITARY CONSTRUCTION PROJECT DA (computer generated)	nIA	
. IN	STALI	LATIC	ON AND LOCATION		
EMPH	IS II	ITERN	NATIONAL AIRPORT TENNESSEE		
. PR	OJEC:	rir 1	LE	5. PRO	DJECT NUMBER
				B	~ 010500
DD TO	O ANI) ALT	ER SECURITY POLICE OPERATIONS FACILITY	PYI	KL919592
.2.	SUPP	LEMEN	TTAL DATA:		
a.	Est:	imate	ed Design Data:		
	(1)	Sta	itus:		
	` '		Date Design Started		92 NOV 05
			Percent Complete as of Jan 95		100%
			Date 35% Designed		93 DEC 21
		(d)	Date Design Complete		94 FEB 15
	(2)		sis:		
			Standard or Definitive Design -		NO
		(p)	Where Design Was Most Recently Used -		N/A
	(3)	Tot	:al Cost (c) = (a) + (b) or (d) + (e):		(\$000
			Production of Plans and Specifications		35
			All Other Design Costs		20
			Total		55
			Contract	•	55
		(e)	In-house		
	(4)	Cor	struction Start		96 APR
			•		
	-		associated with this project will be providations: N/A	ded from	n .
					·
					·

1. COMPONE	NT FY 19	996 GUARD ANI	RESERVE			2. DATE	
ANG	MII	LITARY CONSTI	RUCTION				
3. INSTALI	ATION AND LOCATIO	NC				4. AREA	CONST
KELLY AIR	FORCE BASE, TEXAS	s .				COST	INDEX
						0.	87
5. FREQUE	CY AND TYPE OF U	TILIZATION					
Twelve mor	thly assemblies p	per year, 15	days annua	l fi	eld trai	ning per	
year, dail	y use by technic	ian/AGR force	e and for t	rain	ing.		
6. OTHER A	CTIVE/GUARD/RESE	RVE INSTALLA	rions within	N 15	MILE RA	DIUS	
4 Air Ford	e Bases and 1 Arm	my Installat:	ion				
7. PROJECT	S REQUESTED IN TH	HIS PROGRAM:	FY 1996				
CATEGORY		•			COST	DESIGN	STATUS
CODE	PROJECT T	ITLE	SCOPE		(\$000)	START	CMPL
821-116 T	PGRADE HEATING AN	ND COOLING		LS	1,400	OCT 93	APR 9
	SYSTEMS		•				
8. STATE	ESERVE FORCES FAC	CILITIES BOAT	RD RECOMMEN	DATI	ON		
Uni	ateral Construct:	ion Approved				14 JAN	94
		•				(Dat	:e)
9. LAND A	QUISITION REQUIRE	ED	None				
			•	· • .	· (N	umber of	Acres
10. PROJEC	TS PLANNED IN NE	XT FOUR YÉAR	S			,	
CATEGORY					COST		
CODE	PROJECT T	ITLE	SCOPE		(\$000)		
	ARKING APRON AND	HYDRANT		LS	6,900		
113-321	REFUELING SYSTEM						
					1 500		
	ENOVATE TAXIWAY			LS	1,500		•
113-321		ERATIONS	26,000		1,800		,
113-321 1 141-753 1	ENOVATE TAXIWAY			SF			
113-321 1 141-753 1	ENOVATE TAXIWAY LTER SQUADRON OPI	INING AND		SF	1,800		•
113-321 1 141-753 1 171-450 1	ENOVATE TAXIWAY LTER SQUADRON OP LTER MEDICAL TRA:	INING AND ACILITY		SF SF	1,800		
113-321 1 141-753 1 171-450 1	ENOVATE TAXIWAY LITER SQUADRON OPILITER MEDICAL TRAINAMENTATION FOR	INING AND ACILITY ROSION	14,800	SF SF	1,800 930		
113-321 1 141-753 1 171-450 1	ENOVATE TAXIWAY LITER SQUADRON OPI LITER MEDICAL TRANA ADMINISTRATION FA	INING AND ACILITY ROSION	14,800	SF SF	1,800 930		

4,000 SF

335

FACILITY

422-256 MUNITIONS TRAILER STORAGE

•	1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
	ANG	MILITARY CONSTRUCTION	

3. INSTALLATION AND LOCATION KELLY AIR FORCE BASE, TEXAS

11. PERSONNEL STRENGTH AS OF 16 AUG 94

	PERMANENT				GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	307	23	255	29	1,003	106	897
ACTUAL	285	23	240	22	1,014	107	907

12. RESERVE UNIT DATA

			STREN	GTH
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL
149	FG		50	49
182	OPS FT		3	4
182	FS		. 38	41
182	OSF		22	20
149	LG		16	15
149	MNT SQ		411	423
149	LOG SQ		107	107
149	SPTG		5	5
149	MSF		34	32
149	SPF		57	56
149	COMM	•	35	37
149	CES		110	117
149	SVF		34	. 37
149	TG		73	63
149	RANGE		<u>8</u>	7
		TOTALS	1,003	1,014

TYPE	AUTHORIZED	ASSIGNED
F-16 Aircraft	15	18
Support Equipment	138	138
Vehicle Equivalents	301	301

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTR	UCTION PROJECT DATA	
ANG	(computer ge	nerated)	
3. INSTALLAT	ON AND LOCATION	4. PROJECT TITLE UPGRADE HEATING AND C	OOLING
KELLY AIR FOR	RCE BASE TEXAS	SYSTEMS	
5. PROGRAM EI	EMENT 6. CATEGORY CODE 7. P.	ROJECT NUMBER 8. PROJEC	T COST(\$000)

55256F 821-116 MBPB939633 \$1,400

1	Q .	COST	ESTIMATES	

J. COSI ESTIMAL	- C-12			
	/24	0	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE HEATING AND COOLING SYSTEMS	LS.			1,030
SUPPORTING FACILITIES				240
UTILITIES	LS			(200)
PAVEMENTS	LS		•	(30)
SITE IMPROVEMENTS	LS			(10)
SUBTOTAL				1,270
CONTINGENCY (5%)				64
TOTAL CONTRACT COST				1,334
SUPERVISION, INSPECTION AND OVERHEAD (5%)	·			67
TOTAL REQUEST				1,401
TOTAL REQUEST (ROUNDED)				1,400
				,
				'

- 10. Description of Proposed Construction: Shutdown of the existing steam boilers and distribution system serving Buildings 935, 920, and 916 requires the installation of packaged heating and cooling systems. Also includes all utilities, pavements, site improvements, and support.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade Heating and Cooling Systems (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. The base requires an energy efficient heating and cooling system which meets applicable clean air requirements mandated by the Clean Air Act Amendment of 1990.

CURRENT SITUATION: The central heat plant does not meet air quality emission standards. The oil fired boilers are antiquated and not energy efficient. Controls and monitoring systems are unreliable. Steam lines, plant piping, valves and stacks are corroded beyond tolerances. Sections of piping need frequent replacement. They often fail due to corrosion. Nondestructive testing of many sections of piping verified that the wall thickness below acceptable engineering tolerances. The chillers are over 20 years old and use refrigerant R 113 which is in con-compliance with the current law and is no longer manufactured. Kelly AFB is in an area that may be designated as non-attainment and reasonably available control technology will have to be implemented on existing sources.

IMPACT IF NOT PROVIDED: Possible failure of the heating and cooling system. Higher operating costs. Unable to meet local air quality standards. The Air National Guard could be fined and receive unfavorable publicity.

ANG		ENT	FY 1996 MILITARY CONSTRUCTION PROJECT D.	2. DATE
			(computer generated)	
3. IN	ISTAL:	LATIC	ON AND LOCATION	
KELLY	ATR	FORC	CE BASE TEXAS	
	OJEC'			5. PROJECT NUMBER
JPGRA	DE H	EATIN	IG AND COOLING SYSTEMS	мврв939633
12.	SUPP	LEMEN	ITAL DATA:	
a.	Est	imate	ed Design Data:	
	(1)	Sta	itue.	
	(1)		Date Design Started	93 OCT 22
			Percent Complete as of Jan 95	40%
		(c)	Date 35% Designed	94 NOV 01
		(d)	Date Design Complete	95 APR 30
	(2)	Bas	is:	
	(~)		Standard or Definitive Design -	NO
			Where Design Was Most Recently Used -	N/A
	(2)	ma.t		40000
	(3)		al Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications	(\$000 70
			All Other Design Costs	28
			Total	98
			Contract	. 98
	,		In-house	
	(4)	Con	struction Start	96 MAR
			associated with this project will be provide	ded from
			associated with this project will be providations: N/A	ded from
				ded from

1. COMPONENT ANG	FY 1996 GUARD A MILITARY CONS			2. DATE	
3. INSTALLATIO	ON AND LOCATION			4. AREA	CONST
CAMP PENDLETON	N MILITARY RESERVATION,	VIRGINIA		COST	INDEX 92
5. FREQUENCY A	AND TYPE OF UTILIZATION				
	y assemblies per year, 1 se by technician/AGR for			ning per	
4 Naval Instal	VE/GUARD/RESERVE INSTALL llations, 1 Army Install d 2 Army Reserve Facilit	ation, 5 Army			
7. PROJECTS RE	EQUESTED IN THIS PROGRAM	: FY 1996			
CATEGORY CODE	PROJECT TITLE	SCOPE	(\$000)	DESIGN START	CMPL
214-425 VEHIC	CLE MAINTENANCE COMPLEX	17,800 S	F 2,000	DEC 92	JUN 9
	RVE FORCES FACILITIES BO		TION	7 JUL	
				(Date	∍)
	SITION REQUIRED	None		*	
. LAND ACQUIS	SITION REQUIRED .			umber of	Acres
. LAND ACQUIS	SITION REQUIRED			umber of	Acres
. LAND ACQUIS			COST (\$000)	umber of	Acres
. LAND ACQUIS O. PROJECTS I	PLANNED IN NEXT FOUR YEAR	RS	COST	umber of	Acres
. LAND ACQUIS O. PROJECTS I	PLANNED IN NEXT FOUR YEAR	RS	COST	umber of	Acres
. LAND ACQUIS O. PROJECTS I	PLANNED IN NEXT FOUR YEAR	RS	COST	umber of	Acres
. LAND ACQUIS O. PROJECTS I	PLANNED IN NEXT FOUR YEAR	RS	COST	umber of	Acres
. LAND ACQUIS O. PROJECTS I	PLANNED IN NEXT FOUR YEAR	RS	COST	umber of	Acres
. LAND ACQUIS O. PROJECTS I	PLANNED IN NEXT FOUR YEAR	RS	COST	umber of	Acres
O. LAND ACQUIS O. PROJECTS I	PLANNED IN NEXT FOUR YEAR	RS	COST	umber of	Acres
. LAND ACQUIS O. PROJECTS I	PLANNED IN NEXT FOUR YEAR	RS	COST	umber of	Acres

٦	1.	COMPONENT	FY 1996 GUARD AND RESERVE	2.	DATE
		ANG	MILITARY CONSTRUCTION		
1	3.	INSTALLATION AND	LOCATION		

CAMP PENDLETON MILITARY RESERVATION, VIRGINIA

11. PERSONNEL STRENGTH AS OF 17 AUG 94

	PERMANENT				GUARD/RES	ERVE	
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	29	3	26	0	220	11	209
ACTUAL	29	3	26	0	198	11	187

12. RESERVE UNIT DATA

		STRENGTH		
UNIT DESIGNATION		AUTHORIZED	ACTUAL	
203 RHCEF		220	198	
	TOTALS	220	198	

TYPE	AUTHORIZED	ASSIGNED
Mobility Equipment	76	54
Support Equipment	7	4
Vehicle Equivalents	230	166

1. COMPONENT FY 1996 MILI	2. DATE			
1	A			
3. INSTALLATION AND LOCATION 4. PROJECT TITLE				
CAMP PENDLETON VIRGINIA	NANCE COMPLEX			
5. PROGRAM ELEMENT 6. CATEGOR	PROJECT COST(\$000)			

55296F ERVD889506 \$2,000

 •	COS	T	E2	LTI	MAT	E O
 						Т

7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7					
			UNIT	COST	?
ITEM	U/M	QUANTITY	COST	(\$000))
VEHICLE MAINTENANCE COMPLEX	SF	17,800		1,5	52
VEHICLE MAINTENANCE FACILITY	SF	7,200	110	(7	792)
VEHICLE OPERATIONS PARKING SHED	SF	6,000	50	(3	300)
CIVIL ENGINEERING HEAVY EQUIPMENT SHOP	SF	4,000	100	(4	100)
TRAINING AREA	SF	600	100	(60)
SUPPORTING FACILITIES				2	75
UTILITIES	LS	·		(1	.00)
SITE IMPROVEMENTS/PAVEMENT/FENCING	LS			(1	.50)
PRE-WIRED WORK STATIONS	LS			(25)
SUBTOTAL				1,8	27
CONTINGENCY (5%)	1				91
TOTAL CONTRACT COST				1,9	18
SUPERVISION, INSPECTION AND OVERHEAD (5%)					96
TOTAL REQUEST				2,0	14
TOTAL REQUEST (ROUNDED)	.			2,0	00
	1 .			1	
	-[Ì		

Description of Proposed Construction: Reinforced concrete foundation and floor slab. Walls of masonry with a steel joist and metal pan roof covered with rigid insulation and built-up roofing. Provide overhead crane/hoist. Parking shed shall be covered, three sided pre-engineered metal building on reinforced concrete foundation and floor slab. Provide utilities, pavements, fire protection, and support.

Air Conditioning: 10 Tons.

REQUIREMENT: 17,800 SF ADEQUATE: 0 SUBSTANDARD: 15,638 SF PROJECT: Vehicle Maintenance Complex (Current Mission).

REQUIREMENT: Adequately sized and properly configured facilities are required for operational and training purposes to repair, maintain, and park organizational vehicles which include cars, trucks, and a variety of construction vehicles to completely beddown the assigned Rapid Engineering Deployment Heavy Operating Equipment Engineer (RED HORSE) squadron. RED HORSE construction squadron has world wide mobility status on very short notice. The vehicles require maintenance bays for mechanical work, washrack for cleaning, fuel fill stands, parts/tool storage, paint booth, battery shop, and cover for heavy equipment and fleet vehicles. and administrative space for full-time and part-time personnel. shed is required to protect unit resources from the weathering effect. CURRENT SITUATION: The vehicle maintenance, training, and administrative operations are housed in scattered World War II temporary facilities excessed by the Army National Guard. These facilities are undersized poorly configured and remote from the RED HORSE squadron training area. Adequate space is not available for training of personnel or for proper maintenance of vehicles. The building is energy inefficient. The utility systems are undersized, old and deteriorated. The latrines are not

1. COMPONENT	FY 1996 MILITARY CONSTRUCTI	2. DATE ON PROJECT DATA
ANG	(computer genera	ted)
3. INSTALLATIO	N AND LOCATION VIRGINIA	
4. PROJECT TIT	LE	5. PROJECT NUMBER
VEHICLE MAINTE	NANCE COMPLEX	ERVD889506

configured for the number of occupants or for the male/female ratio. Electrical and mechanical systems are not economical to repair due to age and lack of spare parts. The facilities do not represent a quality work and training place. This is the last project of a phased program to provide adequate facilities for this unit.

IMPACT IF NOT PROVIDED: Inability to properly train for the world wide commitment. Mission accomplishment, combat readiness, personnel recruiting and retention are degraded. Energy use continues to be excessive. Safety and environmental concerns continue to disrupt the work place.

ADDITIONAL: The existing vehicle maintenance facility (Building 428 at 4,450 SF) shall be returned to the Army National Guard for their use or disposal. Buildings 417 (5,460 SF), 418 (3,328 SF), and 424 (2,400 SF) for 11,188 SF will be demolished. Demolition costs will be minimal as the local fire departments will burn the facilities in controlled training exercises.

NG	MPONI	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAT (computer generated)	1	2. DATE
	STALI	ATIC	ON AND LOCATION		
CAMP	PENDI	LETON	VIRGINIA		
. PR	OJEC	rir 1	LE	5. PRO	JECT NUMBER
/EHIC	LE M	AINTE	NANCE COMPLEX	ERV	D889506
12.	SUPPI	LEMEN	ITAL DATA:		
a.	Esti	imate	ed Design Data:		
	(1)	Sta	atus:		
	,,		Date Design Started		92 DEC 21
			Percent Complete as of Jan 95		100%
			Date 35% Designed		93 NOV 08
		(d)	Date Design Complete		94 JUN 01
	(2)	Bas	• • •		
			Standard or Definitive Design -		NO
		(b)	Where Design Was Most Recently Used -		N/A
	(3)		cal Cost (c) = (a) + (b) or (d) + (e):		(\$000
			Production of Plans and Specifications		88
			All Other Design Costs		44
			Total		132
:			Contract		132
:		(e)	In-house	•	,
	(4)	Con	nstruction Start	,	96 APR
). E			associated with this project will be provide	ed from	,
ther					
other					
other					
other					
other					
other					
other					
other					
other					

L. COMPONENT	FY 1996 GUARD AND			2. DATE	
ANG	MILITARY CONSTRU	CTION		4. AREA	CONCTE
B. INSTALLATION A		•			INDEX
KICHMOND TAP (BIF	RD FIELD), VIRGINIA			0.	
EDECLIENCY AND	TYPE OF UTILIZATION				
	ssemblies per year, 15 d by technician/AGR force			ning per	
Army National C	GUARD/RESERVE INSTALLATI Guard, 3 Army Reserve, 1 ary Entrance Processing	Marine Corps	Reserve	, 1 Nava	
-	ESTED IN THIS PROGRAM:	FY 1996	COST	DESIGN	כייאיינוכ
CATEGORY CODE	PROJECT TITLE	SCOPE	(\$000)	START	CMPL
			141		
	AND ALTER F-16 AIRCRAFT NANCE COMPLEX	23,100 SF	2,700	JAN 92	FEB 95
				·	
			OM.		•
	FORCES FACILITIES BOARD	RECOMMENDATI	ON	2 .1111	. 94
	FORCES FACILITIES BOARD Construction Approved	RECOMMENDATI	ON	7 JUL	
Unilateral	Construction Approved		ON	7 JUL (Dat	
Unilateral	Construction Approved	RECOMMENDATI			e)
Unilateral O. LAND ACQUISITE	Construction Approved			(Date	e)
Unilateral LAND ACQUISIT: O. PROJECTS PLAN	Construction Approved			(Date	e)
Unilateral LAND ACQUISIT: O. PROJECTS PLAN	Construction Approved		(N	(Date	e)
Unilateral LAND ACQUISIT: PROJECTS PLAN ATEGORY	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS	None SCOPE	COST (\$000)	(Date	e)
Unilateral O. LAND ACQUISIT: O. PROJECTS PLAN CATEGORY CODE 214-425 VEHICLE	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX	None <u>SCOPE</u> 14,300 SF	COST (\$000)	(Date	e)
Unilateral LAND ACQUISIT O. PROJECTS PLAN ATEGORY CODE 14-425 VEHICLE 42-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral LAND ACQUISIT: O. PROJECTS PLAN ATEGORY CODE 14-425 VEHICLE 42-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX	None <u>SCOPE</u> 14,300 SF	COST (\$000)	(Date	e)
Unilateral LAND ACQUISIT: O. PROJECTS PLANTATEGORY CODE 14-425 VEHICLE 42-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral LAND ACQUISIT O. PROJECTS PLAN ATEGORY CODE 14-425 VEHICLE 42-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral O. LAND ACQUISIT: O. PROJECTS PLAN CATEGORY CODE 14-425 VEHICLE 442-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral O. LAND ACQUISIT: O. PROJECTS PLAN CATEGORY CODE 214-425 VEHICLE 442-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral O. LAND ACQUISIT: 10. PROJECTS PLAN CATEGORY CODE 214-425 VEHICLE 142-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral O. LAND ACQUISIT: 10. PROJECTS PLAN CATEGORY CODE 214-425 VEHICLE 142-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral O. LAND ACQUISIT: O. PROJECTS PLAN CATEGORY CODE 214-425 VEHICLE 442-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral O. LAND ACQUISIT: O. PROJECTS PLAN CATEGORY CODE 214-425 VEHICLE 442-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)
Unilateral O. LAND ACQUISIT: 10. PROJECTS PLAN CATEGORY CODE 214-425 VEHICLE 442-758 BASE SUI	Construction Approved ION REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE MAINTENANCE COMPLEX PPLY COMPLEX	SCOPE 14,300 SF 32,400 SF	(N COST (\$000) 1,550 4,900	(Date	e)

-	1.	COMPONENT	FY 1996 GUARD AND RESERVE	2.	DATE
		ANG	MILITARY CONSTRUCTION		
-	2	TNICTALLATIO	N AND LOCATION		

3. INSTALLATION AND LOCATION RICHMOND IAP (BYRD FIELD), VIRGINIA

11. PERSONNEL STRENGTH AS OF 9 AUG 94

		PERMANENT				GUARD/RES	ERVE
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	312	11	59	242	1,126	140	986
ACTUAL	298	11	59	228	1,092	141	951

12. RESERVE UNIT DATA

	-		STREN	GTH
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL
192	FG		53	42
192	SPS		57	59
192	OSF		25	25
192	MNT SQ		447	439
192	MSF		34	33
192	MED SQ		73	62
192	COM FT		40	36
192	CES		140	114
192	SVS FT		36	27
192	LOG GP		. 16	. 15
8192	STU FT		0	35
200	WEA FT		25.	21
HQ	VA ANG		23	26
149	OPS SQ		42	4.7
192	OPS GP	•	3	3
192	LOG		107	103
192	SPT GP		5	5
•		TOTALS	1,126	1,092

TYPE	AUTHORIZED	ASSIGNED
F-16 Aircraft	15	25
Support Equipment	395	365
Vehicle Equivalents	224	328

1. COMPONENT					2. DATE	
	FY 1996 MILITARY CO			DATA		
ANG	(compute	er genei	rated)	<u>-</u>	<u> </u>	
3. INSTALLATION	AND LOCATION		4. PROJECT ADD TO AND		6 AIRCRAFT	
RICHMOND IAP (B)	YRD FIELD) VIRGINIA		MAINTENANCE	COMPLEX		
5. PROGRAM ELEM	2.00 1 22227 1 2222	7. PRO			CT COST(\$0	00)
55296F	211-152	cvvi	4000942		\$2,700	
	9. COS	r ESTIM	ATES			
	7. COD			UNT	T · COST	

9. COST ESTIMAT	ES			
			UNIT .	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
ADD TO AND ALTER MAINTENANCE COMPLEX	SF.	23,100		1,198
ADD TO GENERAL PURPOSE SHOPS	SF	2,900	95	(276)
ALTER GENERAL PURPOSE SHOPS	SF	15,700	42	(659)
ALTER NON-DESTRUCTIVE INSPECTION SHOP	SF	500	86	(43)
ALTER ORGANIZATIONAL/DCM COMPLEX	SF	4,000	55	(220)
SUPPORTING FACILITIES				1,260
UTILITIES	LS			(450)
REPLACE ROOF/REMOVE ASBESTOS	LS			(200)
REPLACE WINDOWS/SIDING/HANGAR DOORS	LS			(410)
PRE-WIRED WORK STATIONS	LS	!		(200)
SUBTOTAL				2,458
CONTINGENCY (5%)	1			123
TOTAL CONTRACT COST				2,581
SUPERVISION, INSPECTION AND OVERHEAD (5%)	ļ			129
TOTAL REQUEST				2,710
TOTAL REQUEST (ROUNDED)				2,700
		,		
			l	1

10. Description of Proposed Construction: Addition: Reinforced concrete foundation and floor slab, masonry walls and built up roof. Alteration: Rearrange interior walls, extend utilities. Replace roof, siding, windows and hangar doors. Upgrade interior and exterior electrical service. Provide fire protection, utility connections, site improvements and paving. Remove asbestos.

Air Conditioning: 60 Tons.

11. REQUIREMENT: 33,100 SF ADEQUATE: 10,000 SF SUBSTANDARD: 20,200 SF PROJECT: Add to and Alter F-16 Aircraft Maintenance Complex (New Mission).

REQUIREMENT: This project supports the conversion from A-7 to F-16 aircraft. Adequate facilities are necessary to support the aircraft maintenance functions associated with the F-16 aircraft. This includes the aircraft's general purpose shops, organizational maintenance shop, control, planning, scheduling, documentation, material control, quality control, records, and administration functions that tie the maintenance organization together. The utilities, HVAC, building envelope, and fire protection systems need to be upgraded to meet current safety and environmental criteria.

CURRENT SITUATION: The base has insufficient shop space to support the F-16 aircraft. The general purpose maintenance shops occupy a structurally sound building that has not been significantly upgraded from its originally designed purpose of maintaining Korean War vintage aircraft. There are numerous health and safety violations. The electrical system is undersized and cannot support the new equipment load. The shop space is approximately 50% of the minimum required. The shops are configured for A 7 aircraft which is no longer in the inventory. The

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT	2. DATE
ANG	(computer generated)	
	ON AND LOCATION (BYRD FIELD) VIRGINIA	
4. PROJECT TI	1	5. PROJECT NUMBER
ADD TO AND AL	TER F-16 AIRCRAFT MAINTENANCE COMPLEX	CVVM000942

F-16 shops are considerable different than the A-7. This project will add and upgrade the shop spaces so that the unit is able to safely and efficiently support the F-16 aircraft. The siding is asbestos. The single pane windows are energy inefficient and the roof leaks. The electric service that feeds the hangar is old and cannot be upgraded to meet the expanded needs of the new equipment. The heating system is also antiquated and needs to be reconfigured for the new shop layout. hangar doors do not work properly. They are a constant source of maintenance and safety related problems. The hangar and shops are not a quality work and trainingplace. This project has been assigned a Risk Assessment Code (RAC) of 3 by the authority having jurisdiction. IMPACT IF NOT PROVIDED: Crowded and unsafe conditions. The potential remains high for a safety and/or environmental accident to occur. Lost, inefficient and degraded training. Unit is unable to reach full operational capability. Energy continues to be lost through an inefficient building envelope.

<u>ADDITIONAL</u>: A life cycle cost analysis has been performed comparing all reasonable options for accomplishing this project. The analysis indicates that an addition to and renovation of the existing is the most economical alternative.

	TM	FY 1996 MILITARY CONSTRUCTION PROJECT D	2. DATE
NG		(computer generated)	
. INSTALI	ATIO	N AND LOCATION	·
ICHMOND I	AP (BYRD FIELD) VIRGINIA	
. PROJECT	TIT	LE	5. PROJECT NUMBER
			G1777/000040
DD TO ANI	ALT	ER F-16 AIRCRAFT MAINTENANCE COMPLEX	CVVM000942
2. SUPPI	LEMEN	TAL DATA:	
		A Baring Baker	
a. Est:	Lmate	d Design Data:	
(1)	Sta		•
		Date Design Started	92 JAN 29
		Percent Complete as of Jan 95	959
		Date 35% Designed	94 AUG 0:
	(d)	Date Design Complete	95 FEB 0
(2)	Bas		
		Standard or Definitive Design -	NO
	(b)	Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	13
		All Other Design Costs	5-
		Total	189
		Contract	189
4	(e)	In-house	
(4)	Con	struction Start	96 JU
		•	
		associated with this project will be provi	ided from
ther app	ropri	ations: N/A	
•			
		-	
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3370	WITTENDY CONCE	D RESERVE		2. DATE	
ANG 3. INSTALLATION	MILITARY CONSTI	COCTION		4. AREA	CONSTE
			-	1	INDEX
TRUAX FÍELD, WI	SCONSIN	•			
				1.	00
	D TYPE OF UTILIZATION	3 3	et - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	_!	
	assemblies per year, 15			ning per	
ear, daily use	by technician/AGR force	e and for tra	aining.		
	GUARD/RESERVE INSTALLA				
1 Army National	. Guard Center, 2 Army Ro	eserve Cente	rs and 1 Na	val Rese	rve
Center					
	AND THE PROPERTY OF THE PROPER	. 1006			
7. PROJECTS REÇ CATEGORY	QUESTED IN THIS PROGRAM:	FI 1990	COST	DESIGN	STATUS
	DDO TECT TITLE	SCOPE	(\$000)	START	
CODE	PROJECT TITLE	SCOPE	(3000)	SIRKI	CHIL
	WINTERONG BLOTT INTEG	14,000	SF 670	JUL 92	SEP 9
216-642 ALTER	MUNITIONS FACILITIES	14,000	3£ 670	30L 32	SEF 7
	•				
•					
			. ,*"		
	E FORCES FACILITIES BOA		ATION		·
	YE FORCES FACILITIES BOA al Construction Approved		ATION	19 MAY	94
Unilatera	al Construction Approved		ATION	19 MAY	
	al Construction Approved			(Dat	:e)
Unilatera 9. LAND ACQUIST	al Construction Approved	None			:e)
Unilatera 9. LAND ACQUIST	al Construction Approved	None	(N	(Dat	:e)
Unilatera 9. LAND ACQUIST	al Construction Approved	None		(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY	al Construction Approved	None	(N	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PI	al Construction Approved	None	COST	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	al Construction Approved	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)
Unilatera 9. LAND ACQUIST 10. PROJECTS PICATEGORY CODE	Al Construction Approved ITION REQUIRED LANNED IN NEXT FOUR YEAR PROJECT TITLE	None S SCOPE	COST (\$000)	(Dat	:e)

1. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	

3. INSTALLATION AND LOCATION TRUAX FIELD, WISCONSIN

11. PERSONNEL STRENGTH AS OF 17 JUL 94

		PER	MANENT	GUARD/RESERVE			
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	390	27	296	67	1,077	122	955
ACTUAL	342	27	250	65	1,007	119	888

12. RESERVE UNIT DATA

	•		STREN	GTH
UNIT DE	SIGNATION		AUTHORIZED	ACTUAL
115	SER FT		30	27
115	OPS GP		3	1
115	LG		16	16
115	SG		5	5
115	OSF		25	27
128	FW		50	43
176	FS		42	45
115	MSF		34	30
115	MEDS		66	67
115	CES		. 134	125
115	CF		42	38
115	MS		434	398
115	LS		107	101
115	SPS .		57	51
HQ	WIANG		32	33
		TOTALS	1,077	1,007

TYPE	AUTHORIZED	ASSIGNED
F-16 Aircraft	15	21
C-26 Aircraft	1	1
Support Equipment	127	122
Vehicle Equivalents	332	345.

1. COMPONENT							2. DATE
	FY 19	96 MILITA	ARY CO	ONSTRUC!	TION PROJECT	DATA	
ANG .		(00	ompute	er gener	rated)		
3. INSTALLATION	N AND LO	CATION			4. PROJECT	TITLE	
TRUAX FIELD WI	SCONSIN				ALTER MUNIT	IONS FAC	ILITIES
5. PROGRAM ELE	MENT 6.	CATEGORY	CODE	7. PRO	JECT NUMBER	8. PROJ	ECT COST(\$000)

55296F 216-642 XGFG899736 \$670

332305	210 012	2101 0033100			4
	9. COST	ESTIMATES			
	•			UNIT	COST
•	ITEM	U/M	QUANTITY	COST	(\$000)
ALTER MUNITIONS F	ACILITIES	SF	14,000		536
ALTER MUNITIONS	SHOP	SF	10,800	36	(389)
ALTER MAGAZINE	STORAGE	SF	3,200	46	(147)
SUPPORTING FACILI	TIES				75
UTILITIES		LS			(25)
PAVEMENTS .		LS			(40)
SITE IMPROVEMEN	TS	LS			(<u>10</u>)
SUBTOTAL					611
CONTINGENCY (5%)					31
TOTAL CONTRACT CO	ST				642
SUPERVISION, INSP	ECTION AND OVERHEAD	(5%)			32
TOTAL REQUEST					674
TOTAL REQUEST (RO	UNDED)				670
			• .		
	•	·			•
•	•	· ['	1		I

- 10. Description of Proposed Construction: Change the interior and exterior configuration of the building. Reslope the roof line. Modify and extend the interior and exterior utility and fire protection system. Construct RAMS Pad. All utilities, site improvements and support.
- 11. REQUIREMENT: 14,000 SF ADEQUATE: 0 SUBSTANDARD: 14,000 SF PROJECT: Alter Munitions Facilities (Current Mission).

REQUIREMENT: The base requires a facility for the training and safe handling of munitions. Functional areas include: maintenance bays, equipment storage, tool room, locker rooms, classrooms, administrative areas, and secure munitions storage.

CURRENT SITUATION: The munitions shop is located in Building 1212 which is a 1954 vintage rocket check-out and assembly building constructed of 12 inch thick reinforced concrete walls. The building was not configured for modern munitions. The building is poorly configured and has many violations of safety practices for maintenance and servicing of missile and munitions systems. The F-16 munitions are considerably different than previous munitions. The shop space needs to be reconfigured for safe handling of and training on munitions. Some shops are too small and others are too large. A pad for the rapid assembly of munitions does not exist. The electrical system is not in accordance with the National Electric Code.

IMPACT IF NOT PROVIDED: Training and maintenance is difficult under the crowded, unsafe conditions. Lack of adequate areas directly impacts unit capability to support the F-16 and could result in a serious munitions accident. Unable to reach full operational capability.

FY 1996 MILITARY CONSTRUCTION PROJ	ECT DATA 2. DATE
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. INSTALLATION AND LOCATION	
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PROJECT TITLE	5. PROJECT NUMBER
LTER MUNITIONS FACILITIES	XGFG899736
2. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	92 JUL 07
(a) Date Design Started	1009
(b) Percent Complete as of Jan 95	
(c) Date 35% Designed	93 NOV 29
(d) Date Design Complete	94 SEP 15
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used	** =
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(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a) Production of Plans and Specificatio	
(b) All Other Design Costs	21
(c) Total	53
(d) Contract	. 53
(e) In-house	
	•
(4) Construction Start	96 API
Manufacture and a state of the	are ided from
b. Equipment associated with this project will be	brovided trom
other appropriations: N/A	

1. COMPONENT	FY 1996 GUARD AND RESERVE	2.	DATE	
ANG	MILITARY CONSTRUCTION			
3. INSTALLATIO	ON AND LOCATION	4.	AREA	CONSTR
PUERTO RICO IA	AP, PUERTO RICO		COST	INDEX
	•		1.2	25

5. FREQUENCY AND TYPE OF UTILIZATION

Four Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force, and for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit, 1 Active Army Unit, 8 Army National Guard Units, 3 Army Reserve Units and 2 Naval Units.

_						
•	7. PROJECTS REQUESTED IN THIS PROGRAM:	FY	1996			
	CATEGORY			COST	DESIGN	STATUS
	CODE PROJECT TITLE		SCOPE	(\$000)	START	CMPL
	216-642 MUNITIONS MAINTENANCE AND		17,900 SE	3,800	FEB 91	APR 95
	STORAGE COMPLEX					
	610-287 ADD TO AND ALTER COMPOSITE		11,800 SE	510	OCT 91	FEB 95
	SUPPORT FACILITY			-		
	872-841 UPGRADE SECURITY SYSTEM		LS	1,350	OCT 92	JUN 94
						1

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION
Unilateral Construction Approved

23 SEP 93
(Date)

9. LAND ACQUISITION REQUIRED	None	
		(Number of Acres)
10. PROJECTS PLANNED IN NEXT FO	UR YEARS	
CATEGORY		COST
CODE PROJECT TITLE	SCOPE	(\$000)
214-467 REFUELING VEHICLE SHOP PAINT BAY	2,700 SF	460
722-351 DINING HALL AND MEDICA TRAINING FACILITY	L 33,600 SF	4,400
730-142 FIRE STATION	10,600 SF	1,900

. COMPONENT	FY 1996 GUARD AND RESERVE	2. DATE
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11. PERSONNEL STRENGTH AS OF 22 JUL 94

		PERMANENT			GUARD/RESERVE				
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED		
AUTHORIZED	402	37	322	43	1,088	115	973		
ACTUAL	306	19	244	43	1,015	104	911		

ГH	STREN						
ACTUAL	AUTHORIZED			SIGNATION	UNIT DE		
44	49			FG	156		
7	9			FGDET1	156		
3	3	•		OG	156		
19	25			OSF	156		
42	42			FS	198		
. 4	5			SPTG	156		
33	34			MSF	156		
13	16			LG	156		
438	447			MS	156		
96	107			LS	156		
71	73			MOS	156		
3	3			MOS OL	156		
114	134			CES	156		
· 61	57	•		SPS	156		
34	50			CF	156	•	
33	34			SVF	156		
1,015	1,088		TOTALS				

13. MAJOR EQUIPMENT AND AIRCRAFT		
TYPE	AUTHORIZED	ASSIGNED
C-26 Aircraft	1	1
F-16 Aircraft	15	20
Support Equipment	110	92
Vehicle Equivalents	73	70

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l	3. INSTALLATION AN PUERTO RICO INTERN PUERTO RICO		4. PROJECT TITLE MUNITIONS MAINTENANC STORAGE COMPLEX	E AND
Ť	5. PROGRAM ELEMENT	6. CATEGORY CODE 7. PRO	JECT NUMBER 8. PROJE	CT COST(\$000)

52620F 216-642 TUMR899533 \$3,800

0	COCM	ESTIMATES

9. COST ESTIMATE	35			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
MUNITIONS MAINTENANCE/STORAGE COMPLEX	SF	17,900		2,394
MUNITIONS MAINTENANCE	SF	12,100	135	(1,634)
STORAGE IGLOOS	SF	3,600	150	(540)
SEGREGATED MAGAZINE	SF	2,200	100	(220)
SUPPORTING FACILITIES				1,000
UTILITIES	LS	·	,	(100)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(50)
SECURITY IMPROVEMENTS	LS	!		(750)
SUBTOTAL	.	1	-	3,394
CONTINGENCY (5%)	-			<u> 170</u>
TOTAL CONTRACT COST	1	1		3,564
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)		. [232
TOTAL REQUEST		·		3,796
TOTAL REQUEST (ROUNDED)				3,800

10. Description of Proposed Construction: Concrete foundation and floor slab, masonry and reinforced concrete walls, and built-up roof. Metal building with concrete floor for storage. Earth covered igloos. All utilities, security measures and necessary support.

Air Conditioning: 5 Tons.

11. REQUIREMENT: 17,900 SF ADEQUATE: 0 SUBSTANDARD: 4,002 SF PROJECT: Munitions Maintenance and Storage Complex (New Mission). REQUIREMENT: This project supports the conversion from A-7 to F-16 The base requires properly sited and configured facilities for aircraft. the storage of training and live munitions and missiles. Also facilities to house administrative and maintenance personnel performing day to day munitions disassembly, inspection, cleaning, and repair are required. Functional areas include administration, training, and storage. CURRENT SITUATION: The munitions maintenance and storage complex does not satisfy the safety and quantity distance (Q-D) or the munitions storage requirements for the F-16 weapons systems. Numerous safety Q-D waivers are necessary to operate in the facility. The building is grossly undersized and cannot be expanded or modified in this location. The safety zone extends outside the ANG property and impacts the airport and other recreational areas. Storage of the munitions is done, on an interim basis, at Camp Santiago, which is located over an hour away (50 miles). This is operationally unacceptable. The Army National Guard needs these igloos back and has asked for their return. Training and live missile storage is severely curtailed. It requires traveling to Camp Santiago on a daily basis. Upon completion of this project, Building 7 at 4,002 SF will be demolished.

IMPACT IF NOT PROVIDED: The munitions maintenance and storage complex

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4. PROJECT TI	TLE	5.	PROJECT	NUMBER
	NOTENIANCE AND STOPAGE COMPLEY		TIMR8995	533

cannot safely and efficiently support the F-16 aircraft weapons systems. The inspection, repair, maintenance, and storage of munitions and associated training is severely impaired, resulting in significant degradation of the mission. The unit is unable to return the storage igloos to the Army National Guard. The unit cannot reach full operational capability. Substantial loss of training opportunities.

ADDITIONAL: An exception to the economic analysis requirement has been prepared for this project. The paper presents the rationale for only one alternative, which is to build a new facility due to safety and security criteria.

2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started	JERTO RIC	CO IN	TERNATIONAL AIRPORT PUERTO RICO	
2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Percent Complete as of Jan 95 (c) Date 35% Designed (d) Date Design Complete (d) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 21 96 JUN Equipment associated with this project will be provided from	. PROJEC	r TIT	LE	5. PROJECT NUMBER
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3. INSTALLATION	N AND LOCATION	4. PROJECT TITLE	
		ADD TO AND ALTER COMPO	DSITE
PUERTO RICO IA	P PUERTO RICO	SUPPORT FACILITY	
5. PROGRAM ELEI	MENT 6. CATEGORY CODE 7. I	PROJECT NUMBER 8. PROJECT	r COST(\$000)

55296F 610-287 TUMR909776 \$510

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ADD TO AND ALTER COMPOSITE SUPPORT FAC	SF	11,800		406
ALTER HEADQUARTERS	SF	2,700	25	(68)
ALTER GROUP HEADQUARTERS	SF	4,100	25	(103)
ALTER DISASTER PREPAREDNESS TRAINING	SF	3,000	25	(75)
ADD DISASTER PREPAREDNESS STORAGE	SF	1,000	60	(60)
ADD PHYSICAL FITNESS CENTER	SF	1,000	100	(100)
SUPPORTING FACILITIES	1			50
PRE-WIRED WORK STATIONS	LS			(50)
SUBTOTAL				456
CONTINGENCY (5%)				23
TOTAL CONTRACT COST				479
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				31
TOTAL REQUEST	1	Į.		510
TOTAL REQUEST (ROUNDED)				510
				•
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10. Description of Proposed Construction: Alterations: Remove, replace, relocate interior walls; upgrade existing central air conditioning system; upgrade mechanical and electrical systems; upgrade utility systems and fire protection; and provide pre-wired work stations. New construction to match existing pre-engineered type building.

Air Conditioning: 60 Tons.

11. REQUIREMENT: 11,800 SF ADEQUATE: 0 SUBSTANDARD: 9,800 SF PROJECT: Add to and Alter Composite Support Facility (Current Mission). REQUIREMENT: An adequately sized and properly configured composite facility for the State Headquarters staff, the Group Commander and his staff, and the Disaster Preparedness training section. A storage area is also required for Disaster Preparedness and the base needs a Physical Fitness Center.

CURRENT SITUATION: Building 22, the current Squadron Operations facility, requires interior reconfiguration since some rooms are too small while others are too large to meet the needs of the new functions. Disaster Preparedness is squeezed into a 731 SF classroom, has no secure storage area, and is short 2,269 SF. State Headquarters occupies 910 SF in a facility that has to be returned to the city in FY96 and is 1,790 SF short. Group Headquarters is spread over six buildings, lacks adequate training classrooms, briefing areas, office space and is short 4,880 SF. The base currently has no physical fitness area where a small number of aerobics equipment can be placed. The utilities in this area provide marginal service at best and are constantly breaking down. The latrines areas are antiquated and not properly configued for the number of male and female using the facility. The facility does not represent a quality work and training place.

-	1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A	2. DA	ATE
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	ADD TO AND ALTER COMPOSITE SUPPORT FACILITY		TUMR9097	176

IMPACT IF NOT PROVIDED: "The various base functions would remain in severely crowded space which negatively affects training and readiness. The Air National Guard would not be able to return a building to the city in FY96. The utilities in these areas cause unscheduled outages and compromising safety. All of these factors affect the performance of the base, lower mission capability, affect morale, decrease retention rate and compromise safety.

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DD TO A	ND	ALT	ER COMPOSITE SUPPORT FACI	LITY	TU	MR909	776
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a. Es	stin	ate	d Design Data:				
(1	.)	Sta	tus:			•	
•			Date Design Started			91	OCT 18
			Percent Complete as of J	an 95			95%
			Date 35% Designed				JAN 15
	(d)	Date Design Complete			95	FEB 15
(2		Bas					
			Standard or Definitive D				
-	(b)	Where Design Was Most Re	cently Used -			
(3	3)	Tot	al Cost (c) = (a) + (b) c	or (d) + (e):			(\$000
•			Production of Plans and				18
			All Other Design Costs				11
			Total				29
•			Contract	• "			29
	((e)	In-house		•		
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ther ap	pro	pri	ations: N/A				
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	PUERTO RICO I	NTERNA	ATIONAL AIRPORT							
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-	5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO	JECT NUI	MBER	8. F	ROJE	CT (COST(\$000)
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-	UPGRADE SECUR	ITY SY	YSTEM		LS					1,220
	SUBTOTAL									1,220
	CONTINGENCY (5%)								61
	,	TOTAL CONTRACT COST								1,281
	SUPERVISION, INSPECTION AND OVERHEAD (6.5%)									83
	SUPERVISION.	INSPE	CTION AND OVERHEAD	0 (6.5%) [l				
			CTION AND OVERHEAD	0 (6.5%	'					1,364
	TOTAL REQUEST			0 (6.5%)					
				0 (6.5%)					1,364
	TOTAL REQUEST			0 (6.5%)					1,364

- 10. Description of Proposed Construction: Provide and install modern, state-of-the-art security system including all equipment and controls.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade Security System (New Mission).

REQUIREMENT: This project supports the conversion from A-7 to F-16 aircraft. The base requires a complete and modern security system to protect the F-16's parked on the apron.

CURRENT SITUATION: In 1981 the base was attacked by terrorists and nine A-7 aircraft were destroyed on the ramp. Subsequently, security measures were taken to protect the aircraft parking apron. These include: a double security fence with controlled entry gates, interior and exterior perimeter lights, visual control tower, fence sensors, Closed Circuit Television (CCTV), and response teams. The existing aircraft parking apron and adjacent operational areas are totally enclosed behind a protection system. The expansion of the apron and operational areas by a FY 94 MILCON project for the F-16 aircraft conversion, makes it necessary to expand the security system to enclose the new facilities and expanded areas. It is also necessary to upgrade the existing security system based on current technology. Another incident in Spring of 1991 damaged two more A-7 aircraft. Security officials have verified that the threat is still a valid concern.

IMPACT IF NOT PROVIDED: Unable to secure the F-16 aircraft parking apron and the adjacent operational area. Possible compromise, damage or loss of aircraft. Existing security system not fully operational and has out dated equipment that cannot fully protect the aircraft. Easier to bypass outdated technology. New apron area cannot be used for operations.

a. Est (1)	EECURI ELEMEN LEMEN Limate Sta (a) (b) (c) (d) Bas (a) (b) Tot (a) (b) (c)	TY SYSTEM TAL DATA: d Design Data: tus: Date Design Started Percent Complete as of Jan 95 Date 35% Designed Date Design Complete is: Standard or Definitive Design - Where Design Was Most Recently Used al Cost (c) = (a) + (b) or (d) + (e) Production of Plans and Specificati All Other Design Costs	1 -	PROJECT NUMBER TUMR929918 92 OCT 01 100% 93 OCT 15 94 JUN 01 NO N/A (\$000 70
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(4)	(b)	All Other Design Costs	ons	70
(4)	(c)			
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		Total		. 98
		Contract In-house		98
111	(6)	In-nouse	•	
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. Equip	ment	associated with this project will be	provided	from
		ations: N/A	•	
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1. COMPONENT	PV 1006 MTI.T	TARY CONSTRUCTION PROJECT	DATA 2. D	ATE
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STATE AND LO	OCATION I NUMBER	PROJECT TITLE		COS
CALIFORNIA SEPULVE VHRJ939	EDA AIR NAT'L GUAI 778	RD STATION REPLACE UNDERGROU STORAGE TANKS	JND FUEL	320
and the aquifer. Tank replacemen (Current Mission GEORGIA	This is a level II enviror at system should use the	orage tanks and removes only 6 tanks nmental compliance project and inclumost economic and environmentally ARD STATION	des all site work and	restoration
JASR929		REPLACE UNDERGROU STORAGE TANKS	JND FUEL	320
preclude contamincludes all site v	ination of the soil and ac work and restoration. Ta	stems, and appurtenances to conform quifer. This is a level II environment and replacement system should use the ailable. (Current Mission)	al compliance project	t and
GEORGIA HUNTER .UZYJ909	ANG STATIONS NO. 632	2 REPLACE UNDERGROU FUEL STORAGE TANK		400
preclude contam includes all site	ination of the soil and according to the contraction of the soil and according to the contraction of the con	er tanks. This work is needed to confiquifer. This is a level II environment ank replacement system should use the ailable. (Current Mission)	al compliance projec	t and
environmentally				

Removes 15 underground fuel storage tanks. The base has no use for these tanks, and state and local environmental protection agencies require they be removed. This is a level II environmental compliance project and includes disposal of the tanks, tank residue, and contaminated soil. (Current Mission)

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATIO	ON AND LOCATION	
VARIOUS L	OCATIONS - WITHIN THE UNITED STATES	
4. PROJECT TI	TLE 5.	PROJECT NUMBER
. PROJECTS	5400,000 AND UNDER - FY 96	VARIOUS

STATE AND LOCATION PROJECT NUMBER

PROJECT TITLE

COST

ILLINOIS

GREATER PEORIA AIRPORT (ANG)

JLQN939878

AIRCRAFT DEICING FACILITY

400

Provides a deicing apron for the aircraft in winter months that will comply with all environmental rules. The apron will also serve as an outside washrack. This is a Level II environmental compliance project and includes site preparation, paving, and a deicing glycol recovery/recycling system which will meet environmental requirements. (Current Mission)

MASSACHUSETTS

WORCESTER ANG STATION ZHAH939614

ADD TO AND ALTER VEHICLE MAINTENANCE FACILITY

350

Provides a sufficiently sized and properly configured vehicle maintenance facility with a properly sized refueler bay and paint spray booth. The shop will comply with hazardous location criteria and be configured to meet environmental requirements. This is a Level I environmental compliance project and includes site work, asbestos removal, pavements, and utilities. (Current Mission)

MINNESOTA

MINNEAPOLIS ST PAUL INT'L AIRPORT

QJKL949505

AIRCRAFT DEICING FACILITY

400

Provides a deicing apron for the aircraft in winter months that will comply with all environmental rules. The apron will also serve as an outside washrack. This is a Level I environmental compliance project and includes site preparation, paving, and a deicing glycol recovery system which will meet environmental requirements. (Current Mission)

NEW YORK

NIAGARA FALLS INTERNATIONAL AIRPORT

RVKQ949647

UPGRADE STORM AND SANITARY

400

SEWER SYSTEM

Upgrades storm drain and sanitary sewer system by providing new, adequately sized, sanitary sewer lines and storm drainage pipes. This is a Level I environmental compliance project which expands both systems and installs the catch basins and oil/water separators required to comply with the environmental requirements of the clean water act. (Current Mission)

	Y 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	A 2. DATE
3. INSTALLATION AND VARIOUS LOCATION		
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STATE AND LOCATION
PROJECT NUMBER

PROJECT TITLE

COST

OHIO

BLUE ASH ANG STATION BVGM929908

REPLACE UNDERGROUND FUEL STORAGE TANKS

380

Replaces 7 tanks. This work is needed to conform to EPA regulations and to preclude contamination of the soil and aquifer. This is a level II environmental compliance project, and includes excavation; removal of the tanks; disposal of the tanks, tank residue, and contaminated soil; and all site work and restoration. Tank replacement system should use the most economic and environmentally efficient fuel source available. (Current Mission)

OHIO

CAMP PERRY ANG STATION EUBC939780

REPLACE UNDERGROUND FUEL STORAGE TANKS

320

Replaces 4 tanks. This work is needed to conform to EPA regulations and to preclude contamination of the soil and aquifer. This is a level II environmental compliance project, and includes excavation; removal of the tanks; disposal of the tanks, tank residue, and contaminated soil; and all site work and restoration. Tank replacement system should use the most economic and environmentally efficient fuel source available. (Current Mission)

OHIO

RICKENBACKER ANG BASE

NLZG909546

REPLACE UNDERGROUND FUEL STORAGE TANKS

310

Replaces 2 tanks and 3 oil/water separators. This work is needed to conform to EPA regulations and to preclude contamination of the soil and aquifer. This is a level II environmental compliance project, and includes excavation; removal of the tanks; disposal of the tanks, tank residue, and contaminated soil; and all site work and restoration. Tank replacement system should use the most economic and environmentally efficient fuel source available. (Current Mission)

OKLAHOMA

WILL ROGERS WORLD AIRPORT YZEU949739

PETROLEUM OPERATIONS FACILITY

400

Replaces the existing building with an adequately sized and properly configured facility. The present inadequate facility must be demolished to provide proper access to the new fire station. This project includes modern fuel testing equipment in an explosion proof environment, and provides utilities, pavements, and site improvements. (Current Mission)

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	1. COMPONENT			2. DATE
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_	VARIOUS LOCATIONS	(UNSPECIFIED)	PLANNING AND	DESIGN
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į	55296F	010-000	AAAA929930	\$4,580
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9. COST ESTIMATES								
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SUBTOTAL				4,580				
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- 10. Description of Proposed Construction: The funds requested will provide for the final design of facilities and achieve full evaluation for each project in terms of technical adequacy and estimated cost. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Military Construction Programs.
- 11. REQUIREMENT: As required.

REQUIREMENT: The ANG needs planning and design funds for projects to be included in future MILCON programs The FY 96 design funds are needed to complete the design for projects to be included in FY 97 and begin the design for projects to be included in FY 98.

CURRENT SITUATION: The SECDEF bottom up review and the downsizing of the Air Force has resulted in the transferring of additional missions such as the B-1, KC-135, C-130, and others to the ANG. The MILCON for these aircraft conversions are included in the FY 97-99 programs. requires the design money in FY 96 to insure the design milestones for FY 97 and FY 98 as mandated by DODI 1225.7 are met. The ANG design dollars have been totally depleted. This is the result of past congressional MILCON adds to the program without a corresponding increase in design money. In order to preclude a design work stoppage, ANG was forced to reprogramm \$5.8 Mil. However, this was only a short term stop gap measure. Additional reprogrammings are anticipated to resolve the shortfall resulting from the appropriated FY 95 MILCON program. IMPACT IF NOT PROVIDED: The ANG will not be able to execute the FY 96 and FY 97 design programs. Since the majority of the programs are in support of new missions, conversions, and environmental compliance, the projects cannot be included in the MILCON programs and submitted to Congress.

	1. COMPONENT		2. DATE
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	3. INSTALLATION AND LOCATION		
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	4. PROJECT TITLE	5. I	PROJECT NUMBER
_	PLANNING AND DESIGN	1	AAAA929930

Conversions will be delayed; high risk and costly workarounds will occur. Inability to program environmental compliance projects will result in violation of County, State, and Federal statutes. The ANG may receive fines and the DoD, AF, and ANG may receive adverse publicity. It will be hard to explain that this was caused by insufficient planning and design.

1. COMPONENT	l				2. DATE
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DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1996

APPROPRIATION:

MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 313:

PLANNING AND DESIGN

\$4,580,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for project planning and design of the construction requirements for the Air National Guard

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Planning and Design will provide for establishing project construction design of the facilities and for achieving a full evaluation of each designed project in terms of technical adequacy and estimated costs.

	1. COMPONENT												2.	DATE	
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10. Description of Proposed Construction: Provides a lump sum for construction projects not otherwise authorized by law. Includes construction, alteration, or conversion of permanent or temporary facilities. The Secretary of the Air Force has the authority to approve projects of this nature under the provisions of 10 U. S. Code 2233a or 10 U. S. Code 2805

11. REQUIREMENT: As required.

REQUIREMENT: This program provides the means of accomplishing projects costing over \$300,0000 but not exceeding \$1,500,000 that are not now identified, but which are anticipated to arise during late Fy 1995, FY 96 or early FY 97 to satisfy critical, unforeseen and urgent mission or environmental requirements. It would be too late to include these projects in the fy 96 Milcon and these projects cannot wait for inclusion in the FY 97 MILCON.

CURRENT SITUATION: During this period, as the Air Force is cutting back force structure, the ANG is undergoing numerous aircraft conversions and beddowns. These include: conversions from F-15 and F-16 to B-1 at 2 locations; conversion of the F-4G and RF-4C to C-130 at two locations; conversions of the F-16 and RF-4C to KC 135 at 6 locations. Many facility requirements not now identified may need to be done on an urgent basis to support the arrival of new aircraft and equipment. Past records indicate that additional conversion projects are identified by the Site Activation Task Force. This is a management team that arrives on a base selected for a conversion and conducts a program review to insure the conversion is successful and on time. Unforseen and urgent environmental requirements to meet the State and Federal laws are also typical projects that must be accomplished. The funds requested in this budget are not a percent of the

_	1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT I	DATA	2. DF	ATE
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	3. INSTALLATION AND LOCATION VARIOUS LOCATIONS (UNSPECIFIED)			
	4. PROJECT TITLE	5.	PROJECT	NUMBER
	IINSPECTETED MINOR CONSTRUCTION		AAAA9299	31

budget but are based on past history and account for inflation only.
Routine and non urgent projects are not funded by this account.

IMPACT IF NOT PROVIDED: Unable to complete the beddowns. Will require formal reprogramming if savings are available. Urgent environmental requirements cannot be satisfied. More expensive workarounds will have to be used.

DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1996

APPROPRIATION:

MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 341:

UNSPECIFIED MINOR CONSTRUCTION

\$4,100,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for new construction and alteration projects having cost estimates over \$300,000 but not exceeding \$1,500,000 which are not otherwise authorized by law.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Minor Construction will finance projects for which the justification is such that they should not be included in the regular Military Construction Program for the Air National Guard and such that they exceed the minor construction work authorization in the Operations and Maintenance Appropriation.